

# **Applications**

## **Networking & Connectivity**

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## 13W3 DA 2-Two Output 13W3 (Sun and SGI) Distribution Amplifier

Gary Kayye  
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Extron Electronics  
1230 South Lewis Street  
Anaheim, CA 92805  
USA  
**714-491-1500**  
**714-491-1517 (fax)**  
**gary@extron.com**  
**http://www.extron.com/**

The 13W3 DA 2 is a one input, two output Sun and Silicon Graphics, 13W3 distribution amplifier. The 13W3 DA 2 outputs two separately buffered 13W3 outputs (female), allowing two Sun or Silicon Graphics monitors to be connected to one host workstation. In addition, it also allows for the connection of Sun and SGI computers to a compatible LCD panel with simultaneous viewing of the workstation monitor. The outputs of the 13W3 DA 2 may be extended to distance up to 100 feet.

IRIX version compatibility:

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## 4915 GIO ATM Adapter

Customer Service  
Interphase Corporation  
13800 Senlac Drive  
Dallas, TX 75234-8823  
USA  
**214-919-9000**  
**214-919-9200 (fax)**  
**intouch@iphase.com**  
**http://www.ipphase.com/**

The interphase 4915 is a GIO-bus ATM adapter for Indigo and Indy systems. The adapter gives SGI users a 155MBPS ATM sonet correction to a wide variety of ATM switches from industry leaders. The adapter is a single-wide single-slot GIO-bus card which supports IRIX 5.3 or higher.

IRIX version compatibility: 5.3, 6.2

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## 5215 VRE ATM Adapter

Customer Service  
Interphase Corporation  
13800 Senlac Drive  
Dallas, TX 75234-8823  
USA  
**214-919-9000**  
**214-919-9200 (fax)**  
**intouch@iphase.com**  
**http://www.ipphase.com/**

The 5215 is a VRE-bus ATM adapter providing a 155MBP sonet ATM correction for SGI Challenge and Onyx workstations and servers running IRIX. The 5215 uses VRE64 and an on-board processor for maximized performance. The 5215 is compatible with a wide variety of ATM switches from industry leaders.

IRIX version compatibility: 5.3, 6.2

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## A+ TM

Jeffrey Schneider  
General Manager  
Interface Systems Inc.  
Cleo Products Group  
4203 Galleria Drive  
Loves Park, IL 61111  
USA  
**815-654-8110**  
**815-654-8294 (fax)**  
**cleo@interaccess.com**

Cleo A+ links your Silicon Graphics system to any other computers supporting asynchronous communications. You can use it for everything from simple file transfers to complex, multi-site data collection and distribution.

Cleo A+ requires no programming expertise. It is completely menu-driven, with easy scripting, terminal emulation, and support for leading asynchronous file transfer protocols.

With Cleo A+, you can transfer files interactively, or write scripts to run your jobs automatically, at any time, with no user interaction required. You can, for example, specify unattended file transfers at night or on weekends, when dial-up communications charges are reduced.

Cleo A+'s script recording capability makes unattended operation especially easy. You simply activate the "record" function, then begin transferring files interactively. Cleo A+ automatically creates a script for this job, which you can use again and again.

IRIX version compatibility:

# Networking & Connectivity

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## ACE/Server (for Silicon Graphics IRIX)

Eric Ogren  
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Security Dynamics  
20 Crosby Drive  
Bedford, MA 01730  
USA  
**617-687-7000**  
**617-687-7010 (fax)**  
**info@securid.com**  
**http://www.securid.com**

ACE/Server® software centrally authenticates a user's identity, allowing only authorized users access to protected Silicon Graphic network resources. User access to network resources via a gateway, remote dialup or direct connection is centrally managed and administered. The ACE/Server® establishes a protective perimeter around selected network-based nodes. The ACE/Server® works in conjunction with the SecurID® Card to provide highly secure access control for any number of authorized users and network resources. ACE/Server® operations are fast, simple and effective. And the software cannot be compromised by electronic eavesdropping and observation or repeated password-scheme attacks. Whether you need to authorize user access through dialup modems, leased lines, workstations, terminals or PCs within a network environment, the ACE/Server® is the perfect access control security solution.

IRIX version compatibility:

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## AFS® 3

Nannette Villushis  
Marketing Program  
Manager  
Transarc Corporation  
The Gulf Tower  
707 Grant Street  
Pittsburgh, PA 15219  
USA  
**412-338-4379**  
**vilushis@transarc.com**  
**http://www.transarc.com**

AFS® 3 is a distributed file system for managing files in a client/server environment. With AFS, users access files located anywhere throughout a local or global network as if those files were local to the user's own machine. Users see a single, large file system without any dependencies on a file's physical location. AFS replicates important data across servers, ensuring high data availability and improving server performance by spreading data requests across multiple servers. Other important benefits include enhanced security with Kerberos authentication and access control lists, centralized administration, and transparent on-line backup and data relocation.

IRIX version compatibility: 5.x, 6.x

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## AFS™

Carolyn Dietrich  
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Transarc Corporation  
The Gulf Tower  
707 Grant Street  
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USA  
**412-338-4458**  
**412-338-4404 (fax)**  
**cg@transarc.com**  
**http://www.transarc.com**

Transarc Corporation is a leader in client/server computing solutions for the enterprise, providing customers with the software products and expertise needed to develop scalable computing systems that support business objectives. Transarc, a wholly owned subsidiary of IBM based in Pittsburgh, Pennsylvania, distributes its products worldwide, directly through sales offices in North America, Latin America, Great Britain and Australia, and through a network of international resellers and OEMs. For more information on AFS, DFS, DCE, Encina and other Transarc products, contact the company directly at (412) 338-4400, or visit Transarc's World Wide Web page at [www.transarc.com](http://www.transarc.com).

IRIX version compatibility: 5.3, 6.1, 6.2

# Networking & Connectivity

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## ANNEX®

Nathan Miller  
District Sales Manager  
Xylogics Corporation  
16450 Los Gatos Blvd.  
Suite 202  
Los Gatos, CA 95032  
USA  
**408-358-8800**  
**408-358-4588 (fax)**  
**nmiller@xylogics.com**  
**<http://www.xylogics.com/>**

By combining comprehensive multiprotocol remote host access, client/server access, dial-up routing, shared dial-out, LAN-to-LAN routing and terminal server capabilities into a single hardware platform, ANNEX® Release 9.2 is now the only true enterprise-wide remote access solution available today. The ANNEX Communication Server supports connections of 8 to 72 ports. The ANNEX offers network managers one product that provides the following:

- Support of all their users (Windows NT, Microsoft, Novell, Apple, UNIX, IBM, DEC)
- Allows the use of a single telephone number & one modem pool
- Provides one centralized audit trail
- Authenticates all users through one corporate wide security system
- Is managed by a variety of popular network management products
- Scales from small to large networks
- Incoming remote access protocols (ARA, PPP, SLIP, CSLIP, IPX and ASCII) are automatically detected by the ANNEX ports

IRIX version compatibility:

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## ANNEX® Three & RA 4000

Nathan Miller  
District Sales Manager  
Xylogics Corporation  
16450 Los Gatos Blvd.  
Suite 202  
Los Gatos, CA 95032  
USA  
**408-358-8800**  
**408-358-4588 (fax)**  
**nmiller@xylogics.com**  
**<http://www.xylogics.com/>**

The ANNEX® Three Communications Server is the ultimate solution for remote access, dial-up routing and networked serial ports. It gives you maximum flexibility and security, as well as the periodic software upgrades needed by network managers.

The ANNEX Communications Server family optimizes the functionality and connectivity of RS-232 devices on a TCP/IP, Ethernet LAN. ANNEX ports support terminals, modems, printers, and most other serial devices.

ANNEX Three features: 8 to 64 ports, user expandability, port speeds to 57.6 Kbps, full modem control, thick, thin or twisted-pair, and low price per unit.

IRIX version compatibility:

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## APC-DCX Digital Circuit Exchange

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**<http://www.adax.com/>**

The APC-DCX is a dual-trunk channel bank with expanded drop and insert capabilities. As a member of the Adax APC (Advanced Protocol Controller) family, multiple APC circuits may be connected to the DCX to create a fully integrated wide area network solution to difficult network design problems. Multiple DCX boards may be interconnected to further expand the designer's range of options. The DCX provides two direct digital connections to any combination of T1 and E1 trunk lines. Conforming to international standards, the DCX provides carrier compatible drop and insert functions, including fractional services, and an integral CSU for trunk lines.

IRIX version compatibility:

# Networking & Connectivity

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## APC-EIX™ - High Performance Multi-Protocol Communications Controller

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**http://www.adax.com/**

The APC-EIX™ features a LAPB co-processor on each of two physical channels to perform X.25 error correction and flow control. Each channel has software selectable RS-232C, RS-449/422, and X.21 electrical interface. Other features include 128K of dual ported static RAM for frame buffering and digital phase locked loop circuitry for back-to-back connection. The APC-EIX is suitable for applications demanding the highest performance with minimum burden on the host CPU.

IRIX version compatibility:

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## APC-VMEX™ - High Performance Multi-Protocol Communications Controller

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**http://www.adax.com/**

The APC-VMEX™ features an LAPB co-processor on each of two physical channels to perform X.25 error correction and flow control. Each channel has software selectable RS-232C, RS-449/422, and X.21 electrical interface. Other features include 128K of dual ported static RAM for frame buffering and digital phase locked loop circuitry for back-to-back connection. The APC-VMEX is suitable for applications demanding the highest performance with minimum burden on the host CPU. Adax offers LAPB and HDCL drivers for the APC-VMEX, as well as X.25, and Frame Relay for IRIX 5.2.

IRIX version compatibility:

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## ASAP (Automatic Service Activation Program)

Mark Fyfe  
Manager, Slaes Support  
Architel Systems  
Corporation  
190 Attwell Drive  
Suite 300  
Toronto, ON M9W 6H8  
Canada  
**416-674-2727**  
**m.fyfe@architel.com**  
**http://www.architel.com**

Architel Systems Corporation develops, markets and supports advanced Operations Support Systems to the global telecommunications industry. Architel's principle software product ASAP (Automatic Service Activation Program) recognized as the leading provisioning software product in the telecommunications industry, is used for the provisioning of services, ranging from basic telephone, to enhanced services in the local exchange, long distance cable and wireless markets. Other products include workforce management software which automatically schedules and dispatches mobile field installation and repair technicians, and craft access software, used in the mobile field technicians portable computer.

IRIX version compatibility: 5.3

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## Ancor CXT 250 Fibre Channel Switch

Sales Department  
Ancor Communications,  
Inc.  
6130 Blue Circle Drive  
Minnetonka, MN 55343  
USA  
**612-932-4000**  
**612-932-4037 (fax)**  
**http://www.ancor.com/**

The Ancor CXT 250 is an ANSI-standard Fibre Channel switch that provides from 8 to 64 parallel, nonblocking ports with a communications rate of 266 megabits per port. Featuring two-dimensional time and space division switching technology, the CXT 250 supports simultaneous physical connection and connectionless service (Fibre Channel Class 1, 2, 3, & Intermix communication). Connection service is characterized by very fast connection setup for predictable high-bandwidth transfers of large data blocks, such as those used for file transfers and video images. Connectionless service is optimized for low-latency transfer of small messages.

IRIX version compatibility:

# Networking & Connectivity

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## BLAST Professional for Silicon Graphics

Melinda Pfeiffer  
Director of Marketing  
Blast, Inc.  
49 Salisbury Street West  
P.O. Box 808  
Pittsboro, NC 27312-0808  
USA  
**919-542-0161 (fax)**  
**800-24-BLAST (tollfree)**  
**sales@blast.com**  
**http://www.blast.com/**

BLAST is a high speed communication software package that provides error-free asynchronous file transfer between computers. BLAST moves data between computers reliably and quickly, using the BLAST protocol or Xmodem, Ymodem, Zmodem or Kermit protocols. This full-featured communications product also offers more than a dozen terminal emulations and multiple levels of security.

BLAST specializes in file transfer and automated file transfer, and includes Autopoll, a script that allows file transfers to be fully automated. Using BLAST and Autopoll, a central computer can connect to and transfer data with hundreds of remote computers.

IRIX version compatibility: 5.x, 6.x

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## Backup Express®

Gail Slobodien  
Product Marketing Analyst  
Syncsort, Inc.  
50 Tice Boulevard, CN18  
Woodcliff Lake, NJ 07675  
USA  
**201-930-5168**  
**201-930-8281 (fax)**  
**gslobodien@syncsort.com**  
**http://www.syncsort.com/**

Backup Express® is a true multi-platform, high performance Backup/Restore product designed specifically for heterogenous networks. It supports NT, Novell, and various UNIX platforms.

IRIX version compatibility: 6.x

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## Black Hole

Cuong Nguyen  
Vice President Eng.  
Milkyway Networks  
Corporation  
2650 Queensview Drive  
Suite 255  
Ottawa, ON K2B 8H6  
Canada  
**613-596-5549**  
**613-596-5615 (fax)**  
**cnguyen@milkyway.com**

Black Hole's transparent gatewaying feature at both the application and circuit level makes user connections a simple, one step process. Any and all attempts at hacking are immediately detected with the blanketed network monitoring feature and organizations can easily create a virtual private network that spans the globe by taking advantage of Black Hole's powerful DES-based data encryption feature. Another unique feature of Black Hole is that there is no restriction on the use of popular applications such as E-Mail, Gopher, and Mosaic thanks to full security for all TCP/IP applications. Plus, the flexible ruleset configuration provides optimum flexibility for implementing corporate security policy and a company's investment is protected to providing full security for future Internet applications. Companies receive all the benefits of the Internet-with none of the risks.

IRIX version compatibility:

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## Burst Telecommunications Channel

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President  
Instant Video Technologies,  
Inc.  
500 Sansome Street  
Suite 503  
San Francisco, CA 94134  
USA  
**415-391-4455**  
**415-391-3392 (fax)**

The Company is currently engaged in a development project, the purpose of which is to develop a fully operational prototype of a burst telecommunications channel that will demonstrate the Company's burst technology in the form of a 'faster-than-real-time' transmission and receiving of audio and video programming over commercial fiber networks. This project will demonstrate the Company's faster-than-real-time transmission and receiving capability over a WAN and, it will illustrate the benefits of high-speed transmission and distribution of audio and video programming. It is the intention of the Company to develop burst related products and applications resulting from this project.

IRIX version compatibility:

# Networking & Connectivity

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## C/Fix™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

C/Fix™ is a translator that converts VMS®-specific C code to C code that is compatible with LIBR8™, on UNIX systems. VMS-specific interface routines will be translated to routines that will link transparently with Open LIBR8, Accler8's library of VMS system services and runtime library calls.

Features/functionality:

- Convert all VMS system service and runtime library calls to lowercase.
- Argument completion for VMS runtime library calls with variable arguments.
- Convert VMS specific forms of #include.
- Handle logical names in file opens and #include statements.
- Convert \$DESCRIPTOR to DESCRIPTOR\$.
- Remove RMS extensions from file open calls.
- Convert dollar signs to underscores in VMS calls.
- Do argument checking by adding a function prototype include file for VMS system services and runtime libraries for use with ANSI C compilers.

IRIX version compatibility: 5.3, 6.2

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## COMNET III™

Eric Chapman  
Product Manager  
CACI Products Company  
3333 N. Torrey Pines Court  
La Jolla, CA 92037  
USA  
**619-457-9681**  
**619-457-1184 (fax)**  
**comnet@caciasl.com**  
**http://www.caciasl.com/**

COMNET III™ integrates LAN, MAN and WAN performance prediction in a single object-oriented environment allowing you to make changes, try alternatives, and get performance measures--no programming. COMNET III's hierarchical design lends itself equally to all networks from single high performance LANs to the most complex enterprise-wide systems, existing or planned.

Predefined hardware and protocol objects make model description fast and easy. COMNET III allows you to optionally import your network topology from SPECTRUM, Net-View/6000 or Open View, import traffic files from a Sniffer, NetMetrix or LANProbe data analyzer, and get tariff data with QSI's Net Solve.

With COMNET III, you verify the performance of proposals, do "what-if" analysis, evaluate competing designs, and show others how a proposed network will operate utilizing COMNET III's built-in graphics and extensive reporting. COMNET III also helps the ongoing management of your network by showing the impact of incremental changes.

CACI offers a free, no-obligation, 60-day trial of the fully documented product, including free training, complete documentation, and full technical support.

IRIX version compatibility:

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## CheckUPS® II

Scott Shie  
Software Proj Coordinator  
Best Power  
P.O. Box 280  
Necedah, WI 54646  
USA  
**608-565-7200**  
**608-565-6231 (fax)**  
**scott.shie@bestpower.com**  
**http://www.bestpower.com**

CheckUPS® II is a UPS software package which provides user-notification and safe, controlled shutdown of protected equipment when conditions require. CheckUPS® II enables you to monitor parameters such as input and output voltage, battery voltage, UPS temperature, percent load, etc. CheckUPS® II also permits you to easily control your UPS and react to alarm points from your computer.

IRIX version compatibility: 5.1, 5.2, 5.3, 5.x, 6.0, 6.1, 6.2, 6.x

# Networking & Connectivity

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## CipherLink

Ben Freedman  
Director of Marketing  
McAfee Associates, Inc.  
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Suite 508  
Calgary, Al T2R 1J2  
Canada  
**403-264-4822**  
**403-264-0873 (fax)**  
**ben@fsa.ca**  
**<http://www.fsa.ca>**

ChipherLink cryptographically protects all TCP/IP network traffic across Windows, Macintosh and UNIX networks. It prevents snoopers from gathering users names, passwords, transaction information, and other sensitive data as they pass from one computer to another across your networks or the Internet. CipherLink drops seamlessly into Windows (including '95 and NT) and Macintosh networks, and almost seamlessly into UNIX\* to provide encryption-based security across virtually all enterprise computing networks.

By using CipherLink, a company protects itself from the growing number of network-based attacks that result in downtime, leaked confidential data, data tampering, and other costly security breaches. Complementary security solutions such as firewalls and encrypting routers can protect data from one site boundary to another, but CipherLink provides true end-to-end protection. This makes CipherLink particularly well suited not only to Internet remote access situations, but also to intranet applications working on a single LAN.

IRIX version compatibility:

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## Cleo 3780Plus

Jeffrey Schneider  
General Manager  
Interface Systems Inc.  
Cleo Products Group  
4203 Galleria Drive  
Loves Park, IL 61111  
USA  
**815-654-8110**  
**815-654-8294 (fax)**  
**cleo@interaccess.com**

Cleo 3780Plus provides full emulation of IBM 2780/3780 Remote Job Entry (RJE) stations for PC's, workstations, servers, and selected midrange systems. Cleo 3780Plus is the leading BSC RJE package, with over 100,000 worldwide installations.

IBM 2780/3780 BSC RJE Emulation, plus:

- Easy scripting for unattended operation
- Modem auto-dialing via UDS BSC, SADL, V25bis, and AT Command Set
- API (Application Program Interface)
- Perpetual log file
- Flexible configuration
- Custom screens and messages
- Error-free data transfer
- Large data blocks
- Peer-to-peer communications
- Quick exit
- Communications line monitor

Our complete Cleo 3780Plus package includes communications software and hardware, plus documentation and technical support. You also get our full one-year warranty and our 30-day money-back guarantee.

IRIX version compatibility:



# Networking & Connectivity

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## CoSession™PC2X™

Maureen Russell  
Director of Marketing  
UniPress Software, Ltd.  
2025 Lincoln Highway  
Edison, NJ 08817  
USA

**908-287-2100**

**908-287-4929 (fax)**

**maureen@unipress.com**

**<http://www.unipress.com/>**

With CoSession™ PC2X™, you display and control PCs from an X Window on a UNIX workstation or X terminal. The full PC displays in an X window on your SCO, Sun (running SunOS or Solaris), HP, IBM RS/6000 or Silicon Graphics computer allowing you to control any MS-DOS or Windows application, right from your workstation. By running several CoSession PC2X windows, you can even work on multiple PCs simultaneously. The mouse and keyboard work just as if you were sitting at your PC.

This makes CoSession PC2X ideal for remote network/system administration, running helpdesks, "virtual" PCs, remotely controlling embedded PC systems, or end users who need access to UNIX and MS DOS/Windows applications. And since it runs on your existing PCs and requires no additional hardware, CoSession PC2X is a cost-effective way to leverage your PC investment. Existing PC LANs running CoSession for PC-PC remote control are now able to include UNIX workstations in their computing workgroups.

CoSession PC2X turns your PC applications into shared resources. You work through a UNIX X window to run all your PC programs. And, since they still run natively on the PC because CoSession PC2X is not a software emulator, high levels of performance and consistency are achieved.

IRIX version compatibility:

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## CraySoft Network Queuing Environment 3.x

Dave Wilson  
NQE Sales Representative  
Cray Research, Inc.  
655 Lone Oak Drive  
Eagan, MN 55121  
USA  
**612-683-7473**  
**612-683-5786 (fax)**  
**<http://www.cray.com/>**

The CraySoft Network Queuing Environment is an integrated solution for the distribution of jobs across a heterogeneous network. Based on the industry standard Network Queuing System (NQS), the CraySoft Network Queuing Environment for RISC systems has enhanced NQS to include: attributes support, job dependence, PRM support, API's, destination selection, file transfer agent, load balancing, network queuing client support, public domain compatibility, security enhancements, X displays, World Wide Web interface for workstation, Windows and Macintosh clients via a web client such as MOSAIC or Netscape, and the client/server architecture provides maximum.

IRIX version compatibility: 5.x, 6.x, Pre 5.x

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## CyberSafe Challenger

Joe Kovara  
Director, Engineering  
CyberSafe Corporation  
1605 NW Sammamish Road  
Suite 310  
Issaquah, WA 98027-5378  
USA  
**206-391-6000**  
**206-391-0508 (fax)**  
**joe.kovara@cybersafe.com**  
**<http://www.cybersafe.com>**

CyberSafe Challenger is a fully supported distributed network security solution. Its features include: heterogeneous single signon, password checking, token card integration, user data encryption, and Version 4 and DCE interoperability. Incremental database propagation provides fault tolerance and load balancing of authentication servers. Installation, configuration, and administration have been streamlined, making it easier to integrate CyberSafe Challenger throughout your enterprise. Each product is fully documented. CyberSafe Challenger is also available (without user data encryption), making it possible to secure your entire global enterprise.

IRIX version compatibility: 5.x

# Networking & Connectivity

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## Data Shadow®

Ingrid Morris  
Office Manager  
Digital Instrumentation  
Technology, Inc.  
127 Eastgate Drive  
Suite 20500  
Los Alamos, NM 87544  
USA  
**505-662-1459**  
**505-662-0897 (fax)**  
**ingrid@dit.com**  
**<http://www.dit.com/>**

Data Shadow® is a stand-alone backup and restore program that enables you to back-up all of your data in the Sharp Wizard 9000 series electronic organizers to your Silicon Graphics computer. When your data is backed up, if something goes wrong with your Wizard, you can easily restore your data. Data can be destroyed in a number of ways; battery failure, static discharge dropping your PDA, user error. Don't take chances! Your data is too important! Easy to use point & click graphical interface, available for IRIX 4.x & 5.x. User friendly application to view and edit data from your workstation coming soon.

Requirements: 9000 Series, RS 232 Port, RS 232 Wizard Cable (Available From DIT), Silicon Graphics Workstation

IRIX version compatibility: 5.2, 5.3, 5.x, 6.0, 6.1, 6.2, 6.x

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## EISA & VME ANSI FIBRE CHANNEL ADAPTOR & SWITCH FABRICS

Sales Department  
Ancor Communications,  
Inc.  
6130 Blue Circle Drive  
Minnetonka, MN 55343  
USA  
**612-932-4000**  
**612-932-4037 (fax)**  
**<http://www.ancor.com/>**

Ancor Communications offers high performance Fibre channel network solutions for a variety of SGI workstations and servers. The Ancor FCS 266 EISA adapter is a perfect fit for Indigo II workstations, while the Ancor FCS 266 VME adapter brings the power of Fibre Channel to SGI VME-based machines. Both adapters provide 25 megabytes per second Fibre Channel communication.

Ancor's Fibre Channel product family centers around the company's FCS 266/1062 Fibre Switches. These switches provide from 8 to over 3000 nonblocking parallel data paths, running at 266 megabits or 1.062 gigabits each. The result is a networking breakthrough that offers potential aggregate bandwidth of nearly a terabit.

For Fibre Channel network interconnectivity, Ancor offers the Fibre Link 266/1062 system, which provides seamless links between Fibre Channel and legacy networks, including Ethernet, Switched Ethernet, Token Ring, FDDI, and ATM.

IRIX version compatibility:

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## EISA Bus Network Interface Card for SGI

John Thuotte  
SGI National Account  
Manager  
Essential Communications,  
Inc.  
4374 Alexander Blvd., N.E.  
Suite T  
Albuquerque, NM 87107  
USA  
**800-542-8131**  
**800-542-8132 (fax)**  
**johnt@esscom.com**  
**<http://www.esscom.com>**

A single-slot EISA-HIPPI card provides a full-duplex HIPPI connection to an EISA host. API and TCP drivers for IRIX 5.3 are provided. Available in Parallel or Serial models. Serial model utilizes short wavelength lasers over multimode fiber.

IRIX version compatibility: 5.3, 6.2 Certified, 6.3 Certified

# Networking & Connectivity

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## EISA Network Interface Card

John Thuotte  
SGI National Account  
Manager  
Essential Communications,  
Inc.  
4374 Alexander Blvd., N.E.  
Suite T  
Albuquerque, NM 87107  
USA  
**800-542-8131**  
**800-542-8132 (fax)**  
**johnt@esscom.com**  
**<http://www.esscom.com>**

A single-slot EISA-HIPPI card provides a full-duplex HIPPI connection to an EISA host. API and TCP drivers for IRIX 5.3 are provided. Available in Parallel or Serial models. Serial model utilizes short wavelength lasers over multimode fiber.

IRIX version compatibility: 5.3, 6.2 Certified, 6.3 Certified

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## EPS-16 HIPPI Switch

John Thuotte  
SGI National Account  
Manager  
Essential Communications,  
Inc.  
4374 Alexander Blvd., N.E.  
Suite T  
Albuquerque, NM 87107  
USA  
**800-542-8131**  
**800-542-8132 (fax)**  
**johnt@esscom.com**  
**<http://www.esscom.com>**

The EPS base chassis includes 16 slots and the switch control card (SCC). Each slot can support either a parallel or serial HIPPI Media Interconnect Card (MIC). Serial HIPPI MICs are available in both Short Serial (short wavelength laser-1310 nm) models. The high-speed SCC arbitrates up to 16 Parallel and/or Serial MICs. Embedded microcode allows easy configuration of switches and traffic routing, as well as alternate pathing of HIPPI traffic. Switch has an aggregate bandwidth of 12.8 Gbps (800 Mbps per port, each direction) for 16 simultaneous full duplex connections.

IRIX version compatibility: 5.3, 6.2 Certified, 6.3 Certified

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## FCS™ 250 EISA Adapter

Sales Department  
Ancor Communications,  
Inc.  
6130 Blue Circle Drive  
Minnetonka, MN 55343  
USA  
**612-932-4000**  
**612-932-4037 (fax)**  
**<http://www.ancor.com/>**

The FCS™ 250 EISA Adapter is an interface adapter for ANSI compliant Fibre Channel networks. Fibre Channel is ideally suited for networks requiring high-bandwidth, low-latency data transfers or scalable I/O. The adapter interface to the EISA bus is a 32-bit bus master. The adapter's interface to Fibre Channel is via an Ancor Very High Speed Communications Interface (VHSCI) ASIC and an OLC-266 Optical Link Card. SRAM SIMM buffers provide for outbound and inbound data. Memory options include two buffer sizes: 256 KBytes and 1 MByte. A 32-bit, 33 MHz i960CA processor and on-board firmware provide control.

IRIX version compatibility:

# Networking & Connectivity

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## FCS™ 250 Router

Sales Department  
Ancor Communications,  
Inc.  
6130 Blue Circle Drive  
Minnetonka, MN 55343  
USA  
**612-932-4000**  
**612-932-4037 (fax)**  
<http://www.ancor.com/>

The FCS™ 250 Router delivers tightly integrated -- yet surprisingly affordable -- routing/bridging among Fibre Channel systems and legacy networks. A modular, multiport system, the FCS 250 Router incorporates a powerful combination of hardware and software to deliver seamless support for a variety of network protocols and interfaces. The FCS 250 Router makes it easy to add the power of Fibre Channel to your existing Ethernet, FDDI, and ATM networks and backbones.

IRIX version compatibility:

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## FCS™ 250 VME/64 Adapter

Sales Department  
Ancor Communications,  
Inc.  
6130 Blue Circle Drive  
Minnetonka, MN 55343  
USA  
**612-932-4000**  
**612-932-4037 (fax)**  
<http://www.ancor.com/>

The FCS™ 250 VME/64 Adapter is a Fibre Channel compliant network interface adapter. Fibre Channel is ideally suited for networks requiring high-bandwidth, low-latency data transfers or scalable I/O. The FCS 250 VME/64 Adapter interface to the VMEbus is a 64-bit bus-master capable of burst data transfer at full VMEbus speed. The adapter's interface to Fibre Channel is via an Ancor Very High Speed Communications Interface (VHSCI) ASIC and an OLC-266 Optical Link Card. A two megabyte SRAM buffer provides for outbound and inbound data. A 32-bit, 33MHz Intel i80960CA processor and on-board firmware provide control.

IRIX version compatibility:

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## FDDI EISA Adapters

Cisco Systems  
Sales  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134  
USA  
**408-526-4000**  
**408-526-4100 (fax)**  
<http://www.cisco.com/>

FDDI (fiber) and CDDI (copper) network adapters install in the EISA expansion slots in the Indigo2 workstation and Challenge M server. Software drivers supporting IRIX 5.x are provided on DAT tape, together with hardware and software installation instructions.

IRIX version compatibility:

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## FMS/Unix™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
[tim@accelr8.com](mailto:tim@accelr8.com)

The FMS/Unix™ is the UNIX equivalent to DEC's VAX/FMS. It is completely written in C. It supports DEC's FMS standard on Ultrix/VAX, Ultrix/RISC and other UNIX systems. All FMS functions, the FMS help management and the imbedded User Action Routines (UARs) are fully supported.

The FMS/Unix™ compiler translates existing form descriptions (FLG-files) into a binary format. This internal format is used by the runtime environment.

Form descriptions can be created by the FMS/Forms editor (available for VMS machines) or simply by an ASCII editor. FMS/Unix supports all VT-terminals (VT100 or higher) of Digital and DECwindow's DECterm.

IRIX version compatibility: 5.3, 6.2

# Networking & Connectivity

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## FOT-F2 Fiber Optic Transceiver

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

Cabletron's FOT-F2 complies with the IEEE 802.3 Fiber Optic Inter Repeater Link (FOIRL) standard and operate at full 10 Mbps data rates. Both transceivers are compatible with popular multimode fiber cable types and can drive distances up to 3 km using 50, 62.5, or 100 m core cabling. The FOT-F2 has ST connectors.

IRIX version compatibility:

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## FacetTerm®

Sales Department  
Facetcorp  
4031 West Plano Parkway  
Suite 205  
Plano, TX 75093  
USA  
**214-985-9901**  
**214-985-2035 (fax)**  
**sales@facetcorp.com**  
**http://www.facetcorp.com**

FacetTerm® allows UNIX system users to run multiple concurrent sessions with a single character-based terminal. Up to ten simultaneous sessions may be invoked and managed from each character terminal, or PC with terminal emulation capability. The user may hot key from one session to the next, completely transparent to the UNIX applications. FacetTerm features include a pull-down menu interface, copy and paste between screens, screen print capabilities, and Window Watch. Window Watch is a feature that detects and monitors off-screen events, including the completion of a report running in another window, or the arrival of electronic mail.

IRIX version compatibility: 5.2

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## FacetWin

Sales Department  
Facetcorp  
4031 West Plano Parkway  
Suite 205  
Plano, TX 75093  
USA  
**214-985-9901**  
**214-985-2035 (fax)**  
**sales@facetcorp.com**  
**http://www.facetcorp.com**

FacetWin provides a complete solution for Windows 95 and Windows NT to UNIX integration. It includes all of the features required to create an easy to use and administer Windows-to-Unix computing environment: Transparent File & Print Services, Terminal Emulation, Modem Server, PC Backup/Restore and remote Computing Support. These features provide all that you need to create a transparent PC to UNIX computing environment - like the ability to share files and printers from anywhere on your network, or to use UNIX applications from your own PC while giving them a native Windows look and feel. It's a complete solution offered at a competitive price!

IRIX version compatibility: IRIX 5.3

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## FastLink - Real Time Network

Walter F. Muller  
Vice President  
Masters Aerospace &  
Systems Group, Inc.  
130 McCormick Avenue  
Unit 113  
Costa Mesa, CA 92626  
USA  
**714-437-0599**  
**714-437-0595 (fax)**  
**100023.**  
**2516@compuserve.com**

FastLink is a real-time, high bandwidth networking solution for simulation and data acquisition applications. FastLink provides a deterministic 100 Mbytes / second bandwidth channel for data movement between SGI systems with a VME I/O bus, such as Onyx and Challenge series machines. FastLink is also ideal for connection of an SGI platform to other computing and I/O systems with a VME I/O bus.

FastLink is a true peer-to-peer, multi-drop network that handles the complete data transfer from source to destination. The FastLink network interface installed in an SGI host is capable of performing direct read/write operations on the global memory without undue overhead on the host CPU. Up to 225 nodes can be connected on a FastLink network at distances up to 2,000 ft.

IRIX version compatibility:

# Networking & Connectivity

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## FirstClass™

Sales Department  
SOFTARC, Inc.  
100 Allstate Parkway  
Floor 8  
Markham, ON L3R 6H3  
Canada  
**905-415-7000**  
**905-415-7151 (fax)**  
**sales@softarc.com**  
**http://www.softarc.com**

SoftArc develops and publishes FirstClass™, a multiplatform client/server email and group collaboration product.

IRIX version compatibility: 5.3

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## ForPrint

Ingrid Leon  
Mktg & Sales Manager  
Advanced Technology  
Center  
22982 Mill Creek Drive  
Laguna Hills, CA 92653  
USA  
**714-583-9119**  
**714-583-9213 (fax)**  
**ileon@atc.com**  
**http://www.atc.com/**

ForPrint is a print and plot manager with a X11 and motif-based user interface for interactive preview. Printer and plotter queue control and plotting of CGM files to printers and plotters. Most common printers and plotters are supported. An API library for program controlled submission of plot files is also available.

IRIX version compatibility:

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## ForeRunner™ ESA-200E ATM EISA Bus Adapter

Mark Guinther  
Product Manager  
Fore Systems, Inc.  
174 Thorn Hill Road  
Warrendale, PA 15086-7535  
USA  
**412-635-3621**  
**412-635-3625 (fax)**  
**guinther@fore.com**  
**http://www.fore.com/**

The ESA-200E ATM EISA bus adaptor brings ATM connectivity to Silicon Graphics Indigo2 and Challenge M workstations. Based on the international asynchronous transfer mode (ATM) standard, the ESA-200E is designed to meet the local area networking needs of high speed data and distributed multimedia applications. The adaptor provides switched virtual circuits to ATM switches, including the ForeRunner™ ASX-200 switches, via fiber-optic cable. The adaptor supports high-quality image, full-motion video, CD-quality audio and high-speed data communications.

IRIX version compatibility:

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## ForeRunner™ GIA-200E ATM Gio Bus Adapter

Mark Guinther  
Product Manager  
Fore Systems, Inc.  
174 Thorn Hill Road  
Warrendale, PA 15086-7535  
USA  
**412-635-3621**  
**412-635-3625 (fax)**  
**guinther@fore.com**  
**http://www.fore.com/**

The GIA-200E ATM G10 bus adaptor brings ATM connectivity to Silicon Graphics workstations. Based on the international asynchronous transfer mode (ATM) standard, the GIA-200E is designed to meet the local area networking needs of high speed data and distributed multimedia applications. The adaptor provides switched virtual circuits to ATM switches, including the ForeRunner™ ASX-200 switches, via fiber-optic cable. The adaptor supports high-quality image, full-motion video, CD-quality audio and high-speed data communications.

IRIX version compatibility:

# Networking & Connectivity

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## ForeRunner™ GIA-200E.ESA-200E. and VMA-200E ATM Adapters

Mark Guinther  
Product Manager  
Fore Systems, Inc.  
174 Thorn Hill Road  
Warrendale, PA 15086-7535  
USA  
**412-635-3621**  
**412-635-3625 (fax)**  
**guinther@fore.com**  
**http://www.fore.com/**

The ForeRunner 200E series of ATM adapters bring 155 Mbps ATM connectivity to Silicon Graphics Indy, Indigo 2 and Challenge systems. All products feature ForeThought software supporting ATM Forum LAN Emulation 1.0 Classical IP (RFC 1577), and FORE's Simple Protocol for ATM Network Signaling (SPANS). The high-performance, flexibility and scaleable bandwidth of ATM make it a popular choice for high-bandwidth applications such as multimedia networking. ForeRunner 200E adapters are part of FORE systems complete networking solution that includes ATM switches, ethernet switching/routing, video and WAN access products. The GIA-200E, ESA-200E, and VMA-200E are available with OC3 fiber or Category 5 Unshielded Twister Pair copper connectors.

IRIX version compatibility: 5.3, 6.x

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## ForeRunner™ VMA-200 ATM VME Bus Adapter

Mark Guinther  
Product Manager  
Fore Systems, Inc.  
174 Thorn Hill Road  
Warrendale, PA 15086-7535  
USA  
**412-635-3621**  
**412-635-3625 (fax)**  
**guinther@fore.com**  
**http://www.fore.com/**

The VMA-200 ATM VME bus adaptor brings ATM connectivity to Silicon Graphics workstations. Based on the international asynchronous transfer mode (ATM) standard, the VMA-200 is designed to meet the local area networking needs of high speed data and distributed multimedia applications. The adaptor provides switched virtual circuits to ATM switches, including the ForeRunner™ ASX-200 switches, via fiber-optic cable. The adaptor supports high-quality image, full-motion video, CD-quality audio and high-speed data communications.

IRIX version compatibility:

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## GIO bus-to-VMEbus Adaptor

Eric Augustine  
Application Engineer  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**eric@bit3.com**  
**http://www.bit3.com**

Bit 3 has both a GIO32-VME and a GIO64-VMEbus Adaptor. These Bus-To-Bus Adaptors provide a high speed, memory-mapped connection between the SGI GIO system and the VMEbus system. Sustained DMA transfers of up to 26M bytes/sec are possible. Support Software is available for IRIX O.S. Optional Fiber-Optic drivers are also available providing up to 2km separation between the two systems. Bit 3 has a wide variety of Bus-To-Bus Adaptors for many of today's popular systems including: SGI, IBM, Digital, Sun, HP workstations and Pentium PC's.

IRIX version compatibility: 5.3, 6.2

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## GIO serial HIPPI NIC

John Thuotte  
Dir, N. Amer Western Reg  
Essential Communications,  
Inc.  
1706 Blossom Lane #2  
Redondo Beach, CA 90278  
USA  
**310-372-3068**  
**310-372-3078 (fax)**  
**johnt@esscom.com**  
**http://www.esscom.com**

The GIO serial HIPPI network interface card provides HIPPI connectivity for the Indigo2 platform. Essential's GIO serial HIPPI NIC runs over standard multi-mode or single mode fiber. HIPPI supports data transfer rates of 800 mbps per direction (transmit and receive). The GIO NIC supports TCP/IP protocols or low-level HIPPI character driver. HIPPI nodes are interconnected via an Essential EPS-16 HIPPI switch, which supports serial HIPPI and/or parallel HIPPI connections.

IRIX version compatibility: 6.2

# Networking & Connectivity

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## **GPIB-SG-S**

Laura Golla  
National Instruments  
Corporation  
6504 Bridge Point Parkway  
Austin, TX 78730-5039  
USA  
**512-794-5458**  
**512-794-6569 (fax)**  
<http://www.natinst.com/>

The GPIB-SG-S is an IEEE 488 interface kit for controlling graphics peripherals or test equipment from an IRIS Indigo, Indigo2, Indy, or IRIS workstation. The kit consists of a GPIB-SCSI-A controller, NI-488M™ multitasking software, and a SCSI cable. The GPIB-SCSI-A IEEE 488.2 Controller connects 14 GPIB instruments to the platform via the SCSI port. NI-488M software is a device driver called from high-level functions. A platform equipped with the GPIB-SG-S can communicate with devices such as color scanners, film recorders, voltmeters, power supplies, and digitizing oscilloscopes.

IRIX version compatibility:

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## **GT Backup**

Stephen Jay  
Vice President  
Alida, Inc.  
27 McDermott Place  
Bergenfield, NJ 07621  
USA  
**201-384-0080**  
**201-384-3382 (fax)**  
[swj@alida.com](mailto:swj@alida.com)  
<http://www.alida.com>

GT Backup is an easy to use and very dependable UNIX system backup tool. Its power daemon based networking protocols make it as easy to backup one dozen machines as it is to backup one.

IRIX version compatibility: 5.2, 5.3, 6.0, 6.1, 6.2

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## **GUARDIAN**

Tony MacDonald  
Marketing Director  
DataLynx, Inc.  
6633 Convoy Court  
San Diego, CA 92111  
USA  
**619-560-8112**  
**619-260--8114 (fax)**  
[datalynx@netcom.com](mailto:datalynx@netcom.com)

GUARDIAN enhances access control for 20 versions of Unix, and provides comprehensive security management for all sizes of systems, including heterogeneous UNIX networks. Some of GUARDIAN's features include automatic generation of millions of passwords with format controls (including FIPS-181); valid and invalid password dictionaries that permit editing; password aging; one-time use passwords; login time windows with automatic logoff/lock options; access control via modem lines, remote hosts, and specified ports; additional validation for "rlogin", "telnet", "rsh", "su", and "ftp" access attempts; alarm scripts; automatic account inactivation after too many invalid login attempts; and an array of detailed account and auditing reports.

IRIX version compatibility: 5.3, 6.x

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## **H.A. for SGI**

LeRoy Earl  
VP, Sales & Marketing  
H.A. Technical Solutions  
LLC  
950 Piper Jaffray Plaza  
444 Cedar Street  
St. Paul, MN 55101  
USA  
**612-221-1661**  
**612-221-1699 (fax)**  
[leroy@tech-sol.com](mailto:leroy@tech-sol.com)  
<http://www.tech-sol.com>

H.A. for SGI is the High Availability software for creating Fault Tolerant Solutions from standard SGI platform. This software is ideal for Internet, Intranet, RD BMS, Data Communications or any Stateless Applications that are mission critical or where down time produces excessive loss in money or productivity.

IRIX version compatibility: 5.x, 6.x



# Networking & Connectivity

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## HIDAS™

David Flanagan  
VP, Technical Operations  
CTA, Inc.  
7315 East Orchard Road  
Greenwood Village, CO  
80111  
USA  
**303-889-1212**  
**303-889-1210 (fax)**  
**dflanagan@ctasim.com**  
**http://www.ctasim.com**

The Human Interface Data Acquisition System (HIDAS) is a low cost data acquisition interface for devices that operate in human time frames. HIDAS connects analog and digital switches, dials, lamps, and controls to a VME-based host computer. HIDAS consists of a single 6U VME controller board connecting to up to 128 node cards via a 500 KBit/sec serial bus. Node cards can be centrally located or distributed up to 50 feet apart using twisted pair cables. Built-in test verifies node addressing, node input and output connections and link controller memory integrity. Each node card has LEDs to indicate power and status.

IRIX version compatibility:

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## HIGH-SPEED LAN INTERCONNECT

Robert Barbour  
MFS Datanet, Inc.  
55 South Market Street  
Suite 1250  
San Jose, CA 95113  
USA  
**408-975-2200**  
**408-975-2210 (fax)**  
**barbour.bob@sdatanet.com**

MFS Datanet delivers High-speed LAN Interconnect (HLI) services to SGI customers via a high-speed, international asynchronous transfer mode (ATM) -based backbone. Customers can choose turnkey, managed solutions for connecting metropolitan, national, and international Ethernets. Token Rings, FDDIs, and native ATM networks at a variety of speeds up to 155 mb/s. Customers who have already purchased wide-area networking equipment may also choose to employ MFS Datanet's Frame Transport Service (FTS), which provides frame relay connectivity at speeds up to 6 mb/s.

IRIX version compatibility:

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## HIPPI 16x16 Switch

Laurie Bauler  
Cust. Service Supervisor  
GigaLabs, Inc.  
290 Santa Ana Court  
Sunnyvale, CA 94086  
USA  
**408-481-3030**  
**408-481-3045 (fax)**  
**info@gigalabs.com**  
**http://www.gigalabs.com/**

The HIPPI 16x16 Switch is a nonblocking 16-input, 16-output cross-point switch for HIPPI channels and offers full HIPPI bandwidth of 800 Mbps on each channel. It is configurable with 1 to 16 input or output ports with routing capabilities independently configurable by port, permitting restricted network access on a port-by-port basis. The HIPPI 16x16 features support for both Source and Logical Addressing, less than 1 microsecond input port arbitration delay, and a Broadcast option. The Independent Switch Management port is accessible through logical addressing or RS-232C connected terminal or processor.

IRIX version compatibility:

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## HIPPI 8x8 Switch

Laurie Bauler  
Cust. Service Supervisor  
GigaLabs, Inc.  
290 Santa Ana Court  
Sunnyvale, CA 94086  
USA  
**408-481-3030**  
**408-481-3045 (fax)**  
**info@gigalabs.com**  
**http://www.gigalabs.com/**

HIPPI 8x8 Switch is a nonblocking 8-input, 8-output cross-point switch for HIPPI channels, and is fully compatible with any networking software implementing the ANSI HIPPI Switch Control Standard. The HIPPI 8x8 features full HIPPI bandwidth of 800 Mbps on each channel, less than one microsecond input port arbitration delay and support for both Source and Logical Addressing. Its routing capabilities are independently configurable by port, permitting restricted network access on a port-by-port basis. The Independent Switch Management port is accessible through logical addressing or RS-232C connected terminal or processor.

IRIX version compatibility:

# Networking & Connectivity

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## HIPPI Modem

Laurie Bauler  
Cust. Service Supervisor  
GigaLabs, Inc.  
290 Santa Ana Court  
Sunnyvale, CA 94086  
USA  
**408-481-3030**  
**408-481-3045 (fax)**  
**info@gigalabs.com**  
**http://www.gigalabs.com/**

HIPPI Fiber Modem is a standalone unit providing a fiber optic transmitter-receiver for long distance transmission of information using the serial HIPPI protocol. The unit can be connected to any HIPPI standards-compliant host or switch for extension of the interconnect distance from 25 meters to 10 kilometers or more. The HIPPI Fiber Modem features complete dual simplex HIPPI channel implemented in a single small freestanding physical unit, using dual fibers; full HIPPI bandwidth of 800 Mbps on each simplex channel; and compact size, low power dissipation, and low cost. Ports utilize single- or multi-mode fiber supporting serial HIPPI, transmit and receive reliably over distances of up to 0.5 kilometer with multimode fiber, and up to 10 kilometers with singlemode fiber.

IRIX version compatibility:

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## HIPPI Switch

John Thuotte  
SGI National Account  
Manager  
Essential Communications,  
Inc.  
4374 Alexander Blvd., N.E.  
Suite T  
Albuquerque, NM 87107  
USA  
**800-542-8131**  
**800-542-8132 (fax)**  
**johnt@esscom.com**  
**http://www.esscom.com**

The EPS base chassis includes 16 slots and the switch control card (SCC). Each slot can support either a parallel or serial HIPPI Media Interconnect Card (MIC). Serial HIPPI MICs are available in both Short and Long Wavelength models. The high-speed SCC arbitrates up to 16 Parallel and/or Serial MICs. Embedded microcode allows easy configuration of switches and traffic routing, as well as alternate pathing of HIPPI traffic. Switch has an aggregate bandwidth of 12.8 Gbps (800 Mbps per port, each direction) for 16 simultaneous full duplex connections.

IRIX version compatibility: 5.3, 6.2 Certified, 6.3 Certified

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## HIPPI parallel to serial modem

John Thuotte  
Dir, N. Amer Western Reg  
Essential Communications,  
Inc.  
1706 Blossom Lane #2  
Redondo Beach, CA 90278  
USA  
**310-372-3068**  
**310-372-3078 (fax)**  
**johnt@esscom.com**  
**http://www.esscom.com**

Essential's EHX-1250 modem provides a connection from parallel HIPPI to serial HIPPI. The 1250 provides a multi-mode fiber with ST connectors to a standard HIPPI parallel connector.

IRIX version compatibility: 5.x, 6.x

# Networking & Connectivity

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## HNMS

Karen Newcomb  
Information Analyst  
COSMIC  
382 East Broad Street  
Athens, GA 30602  
USA  
**706-542-3265**  
**706-542-4807 (fax)**  
**service@cosmic.uga.edu**  
**http://www.cosmic.uga.edu/pub/SGL.html**

HNMS 2.0 - Hierarchical Network Management System, is a network monitoring and management package designed for large IP networks. The system uses standard SNMP protocol and is based on a hierarchical distributed architecture. This implementation allows the program to be scalable to thousands of hosts. Additionally, a graphical user interface fosters more complete visualization of the network. Written in C-language for UNIX-based systems. Successfully implemented under both IRIX 4.0.5 and IRIX 5.2. Requires ISODE V.7.0 library, X11/R4 and Motif 1.1. Program Number: ARC-13370.

IRIX version compatibility:

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## HYPERTape

Dick Immerfall  
Dir, US Operations  
MultiStream Systems, Inc.  
6750 France Avenue South  
Edina, MN 55435  
USA  
**612-926-3522**  
**612-926-3243 (fax)**  
**00000**

HYPERTape is a comprehensive software solution for multi-vendor, multi-protocol automated network backup and restore. HYPERTape provides automated, unattended backup of workstations, departmental servers and enterprise servers across networks and supports tape, optical disk and other storage media. It currently interfaces to over 30 different operating systems and supports Silicon Graphics IRIX as a server, a client and a backup node. The software can handle an unlimited number of concurrent sessions between any number of network nodes. HYPERTape can provide central control for network backup and also use any number of network nodes as backup nodes. The software makes available over 75 customer defined parameters to setup and fine tune the backup procedures of a dynamic network.

IRIX version compatibility:

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## HyperSTAR™

Kathy Kane  
Business Dev. Manager  
VMARK Software, Inc.  
50 Washington Street  
Westboro, MA 01581-1021  
USA  
**508-366-3888**  
**508-366-3669 (fax)**  
**kkane@vmark.com**  
**http://www.vmark.com**

HyperSTAR™ is an object oriented family of products that provides simplified connectivity between a wide variety of off-the-shelf and proprietary client and server environments.

With HyperSTAR, you can use hundreds of UNIX or Microsoft Windows front-end tools and applications, such as Visual Basic, PowerBuilder, Excel and Word Perfect, together with your relational and non-relational databases.

- HyperSTAR's client products enable programmers to build efficient, portable client/server applications using a rich set of Application Programming Interfaces (APIs) that meet the need of DDE, ODBC, and C/C++ application developers.
- HyperSTAR's servers support over 30 different platforms and offer independence from database, operating system, and network protocols. Available for Ingres, DB2, Oracle, Sybase, Informix, uniVerse, and others. HyperSTAR servers include support for database access and manipulation, transactions, error handling, extended data types, and other database-specific features.

IRIX version compatibility:

# Networking & Connectivity

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## I/O Driver Software

Mike Mizumoto  
Manager  
Sumisho Electronics  
Company, Ltd. (Osaka)  
2900 Patrick Henry Drive  
Santa Clara, CA 95054  
USA  
**408-980-0811**  
**408-980-1409 (fax)**  
**mike@sumitronics.com**

Sumisho Electronics Co., Ltd. ("SSE") has been one of the largest Silicon Graphics distributors in Japan. SSE also develops drivers for various types of I/O devices as a part of their activities based on IRIS platforms. Sumitronics is the U.S. subsidiary and has served as a bridge for trade between U.S. and Asia, specializing in the export and import of computer, communications and other high-tech products.

IRIX version compatibility:

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## INERTIA™ - SGI Workstation Video to VGA Scan Converter

Gary Kayye  
VP, Sales  
Extron Electronics  
1230 South Lewis Street  
Anaheim, CA 92805  
USA  
**714-491-1500**  
**714-491-1517 (fax)**  
**gary@extron.com**  
**http://www.extron.com/**

The INERTIA™ Graphics Scan Converter allows high resolution video signals to be displayed on data level and VGA-only large screen CRT projectors, light-valve projectors, data monitors, LCD panels and projectors. The Inertia uses digital, real-time scan conversion technology to change high resolution video graphics to a standard VGA or VESA output. Because the Inertia has two output signal types, a front panel switch is provided to allow the Inertia's output to be either 640 x 480 (31.5 kHz) or 800 x 600 (35kHz). When this switch is selected both of the Inertia's outputs (RGS on BNCs and VGA on a 15 pin HD) are active, so two simultaneous displays may be connected.

The Inertia's compatibility includes resolutions such as the SGI 1024 x 768 (48KHz) and 1280 x 1024 (63.9 KHz).

IRIX version compatibility:

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## IP-Watcher

Diana Neuman  
General Partner  
En Garde Systems  
8500 Menaul Boulevard  
Suite A-335  
Albuquerque, NM 87112  
USA  
**505-275-8655**  
**505-275-8482 (fax)**  
**dnn@EnGarde.com**  
**http://www.EnGarde.com/**

IP-Watcher is a network monitoring tool which can be used to inspect the data being transferred between two hosts. IP-Watcher can monitor all the connections on a network, allowing an administrator to display an exact copy of a session in real time, just as the user of the session sees the data. It features a simple interface which displays all the sessions it "sees" and statistics about your network. IP-Watcher can monitor any connection on a TCP port.

IRIX version compatibility: 6.3

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## Intelligent Communication Controllers

Bill West  
President  
Bill West, Inc.  
887 Main Street  
Suite D  
Monroe, CT 06468-2800  
USA  
**800-419-0294**  
**203-261-5061 (fax)**  
**info@bwi.com**

BWI supplies a range of intelligent communication controllers for the VME bus to meet various serial communication requirements and performance levels. The controllers utilize an OS-9® real-time kernel to allow off-loading of protocol software from the host computer, and communicate with the host either with an application level shared memory interface, or using socket drivers which allow a full TCP/IP implementation across the VME backplane. HDLC/SDLC, X.25, ISDN, Bisync, 1553, and custom synchronous and asynchronous protocols are supported. Controllers are available with from 4 to 16 high speed synchronous ports, or as many as 64 asynchronous ports.

IRIX version compatibility:

# Networking & Connectivity

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## K-AShare®

Ellen Katzman  
Sales Manager  
Xinet  
2560 Ninth Street  
Suite 312  
Berkeley, CA 94710  
USA  
**510-845-0555**  
**510-644-2680 (fax)**  
**ellen@xinet.com**  
**<http://www.xinet.com/>**

K-AShare® is a AFP-compatible file server software that runs seamlessly on IRIX 4.x, 5.x and 6.x systems. K-AShare® allows your SGI to act as a fast, reliable AppleShare server for Macintosh users. This is the easiest client/server software to install and administer, and is completely transparent to the Mac user. No additional Mac software is required! Mac users stay in their familiar Mac environment, launching volumes from the chooser, and open, read, move, copy and trash files as if they were local files. K-AShare® may be the perfect solution for your web authoring needs!

IRIX version compatibility:

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## K-FS®

Ellen Katzman  
Sales Manager  
Xinet  
2560 Ninth Street  
Suite 312  
Berkeley, CA 94710  
USA  
**510-845-0555**  
**510-644-2680 (fax)**  
**ellen@xinet.com**  
**<http://www.xinet.com/>**

K-FS® allows UNIX workstations to mount files from any networked Macintosh. AppleShare volumes mounted using K-FS appear to the UNIX user as part of the UNIX system. This plug-and-play software is perfect for your web authoring needs, because it automatically translates between native Mac and UNIX file formats for HTML scripts. In addition to facilitating cross-platform file sharing, K-FS® provides a convenient way to back-up all Macintoshes on the network.

IRIX version compatibility:

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## K-Spool®

Ellen Katzman  
Sales Manager  
Xinet  
2560 Ninth Street  
Suite 312  
Berkeley, CA 94710  
USA  
**510-845-0555**  
**510-644-2680 (fax)**  
**ellen@xinet.com**  
**<http://www.xinet.com/>**

K-Spool® allows Macintosh and SGI workstation users to share any PostScript printer or imaging device on the network. This UNIX application functions as a print server and PostScript filter, allowing flexibility in print spooling and RIPs. Printing devices may be connected by Ethernet, LocalTalk, or through a serial connection. Mac and UNIX users may choose the most appropriate output device, i.e., low-resolution devices for proofing, high-resolution image setters for color separations. This plug-and-play Xinet software runs on IRIX 4.x, 5.x, and 6.x.

IRIX version compatibility:

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## LINcom (Formerly LINSCAM)

Heike Urumma  
LINEAS  
Informationstechnik GmbH  
Theodor-Heuss-Str.1  
Braunschweig, D-38122  
Germany  
**49-531-28150-0**  
**49-531-28150-50 (fax)**  
**info@lineas.de**  
**<http://www.lineas.de>**

With LINcom, we offer a complete package to communicate via ISDN on Silicon Graphics workstations. Communication is carried out as usual by means of the standard TCP/IP commands like ftp, telnet, rlogin and others. Protocols supported are PPP, X.75, T.70 and others. Long-distance data transmission, simultaneous screen sessions and remote services are some of the applications LINcom offers. The ISDN-board is connected via SCSI to the workstation and configuration is done by means of the LINcom software (OSF/Motif). LINcom can be applied in Euro-ISDN.

IRIX version compatibility: Pre 5.x

# Networking & Connectivity

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## MICRO ANNEX™ XL & RA 2000

Nathan Miller  
District Sales Manager  
Xylogics Corporation  
16450 Los Gatos Blvd.  
Suite 202  
Los Gatos, CA 95032  
USA  
**408-358-8800**  
**408-358-4588 (fax)**  
**nmiller@xylogics.com**  
**<http://www.xylogics.com/>**

By combining comprehensive multiprotocol remote host access, client/server access, dial-up routing, shared dial-out, LAN-to-LAN routing and terminal server capabilities into a single hardware platform, ANNEX® Release 9.2 is now the only true enterprise-wide remote access solution available today. The ANNEX Communication Server supports connections of 8 to 64 ports. The ANNEX offers network managers one product that provides the following:

- Support of all their users (Windows NT, Microsoft, Novell, Apple, UNIX, IBM, DEC)
- Allows the use of a single telephone number & one modem pool
- Provides one centralized audit trail
- Authenticates all users through one corporate wide security system
- Is managed by a variety of popular network management products
- Scales from small to large networks
- Incoming remote access protocols (ARA, PPP, SLIP, CSLIP, IPX and ASCII) are automatically detected by the ANNEX ports

IRIX version compatibility:

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## MMAC-M8FNB

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

The MMAC-M8FNB chassis can accommodate one management/repeater module and up to seven Media Interface Modules (MIMs). Using high-density MIMs, this chassis can support up to 183 ports. The MMAC-M8FNB features a removable fan tray and redundant power supplies. Depending on the modules installed, the MMAC-M8FNB can support all networking technologies.

IRIX version compatibility:

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## MMAC-Plus

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

The MMAC-Plus next-generation switching hub accommodates up to 14 interface modules; can be custom-configured to support up to 500 ports of connectivity, including mixed network topologies; and depending on the modules installed, can support all networking technologies. As part of its fully fault-tolerant design, the MMAC-Plus requires no dedicated management module because the installed modules communicate with each other to perform the chassis management functions. This allows for true management redundancy while also maximizing slot availability.

IRIX version compatibility:

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## MPS Communication Server

Sales Department  
UconX Corporation  
4669 Murphy Canyon Rd.  
San Diego, CA 92123  
USA  
**619-627-1700**  
**619-627-1710 (fax)**

The MPS family of Communication Servers are used to provide wide-area connectivity to a local-area network. Regardless of the CPU or architecture, all TCP/IP-equipped computers and workstations on a LAN can share the power of the server. Many industry-standard protocols are available, such as X.25 and Frame Relay. Military/government and financial protocols are also available. The MPS Servers allow support for multiple protocols, each of which can be accessed simultaneously by multiple users.

IRIX version compatibility:

# Networking & Connectivity

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## MTS

Dave Stege  
Director, USA OEM Sales  
Specialix, Inc.  
745 Camden Avenue  
Campbell, CA 95008  
USA  
**408-378-7919**  
**408-378-0786 (fax)**  
<http://www.specialix.com/specialix/>

Modular Terminal Server (MTS) is a high performance, flexible and secure method for businesses to expand Ethernet-based TCP/IP networks. MTS allows terminals, printers and modems easy access to resources of a TCP/IP network. The modular design of MTS enables from 8 to 32 users to be linked to the network. Access to the TCP/IP ethernet network is made via either thin or thick ethernet. The MTA expansion modules are the same ones that are used for the XIO intelligent I/O controllers. Device Driver software is provided for IRIX 5.2, IRIX 5.3 and IRIX 6.2.

IRIX version compatibility: IRIX 5.2, 5.3, 6.2, 6.4

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## MergeCOM-3 Advanced Integrator's Tool Kit™

Tim Knautz  
Prod. Dev., SW Engineer  
Merge Technologies, Inc.  
1126 South 70th Street  
Suite N508B  
Milwaukee, WI 53214  
USA  
**414-475-4300**  
**414-475-3940 (fax)**  
[tim@merge.com](mailto:tim@merge.com)

The MergeCOM-3 Advanced Integrator's Tool Kit™ provides the most fundamental DICOM 3.0 capabilities, and is software compatible with existing MergeCOM applications. The Basic Tool Kit supports DICOM's "Storage Class," "Query/Retrieve Services," "HIS/RIS Services," and "Pre-formatted and Advanced Print Services." Development engineers use the Tool Kit to write applications for data transfer between CT, MR, DSA and CR systems, nuclear medicine networks, ultrasound hard copy networks, 3-D workstations, display terminals, teleradiology and PACS components, laser or paper printing systems and digital archives. The Tool Kit provides a high-level interface (or API) to DICOM 3.0 standard. Networking hardware and software requirements.

IRIX version compatibility: 5.3, Pre 5.x

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## MergeCOM-3 Basic Integrator's Tool Kit™

Tim Knautz  
Prod. Dev., SW Engineer  
Merge Technologies, Inc.  
1126 South 70th Street  
Suite N508B  
Milwaukee, WI 53214  
USA  
**414-475-4300**  
**414-475-3940 (fax)**  
[tim@merge.com](mailto:tim@merge.com)

The MergeCOM-3 Basic Integrator's Tool Kit™ provides the most fundamental DICOM 3.0 capabilities, and is software compatible with existing MergeCOM applications. The Basic Tool Kit supports DICOM's "Storage Service Class" or image transfer between devices. Development engineers use the Tool Kit to write applications for data transfer between CT, MR, DSA and CR systems, nuclear medicine networks, ultrasound hard copy networks, 3-D workstations, display terminals, teleradiology and PACS components, laser or paper printing systems and digital archives. The Tool Kit provides a high-level interface (or API) to DICOM 3.0 standard. Networking hardware and software requirements.

IRIX version compatibility:

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## MicroMMAC

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

Cabletron's MicroMMAC serves as the ideal remote office hub, providing low cost-per-port connectivity along with the scalability and advanced management capabilities needed for a growing network environment. The state of the art architecture of the MicroMMAC features Intel's i960 micro-processor and includes RMON and MIB II support, plus Cabletron's Distributed LAN Monitoring (DLM) software and Runtime TFTP Download. Through DLM, the MicroMMAC can monitor any SNMP or IP device in the enterprise. The DLM also extends RMON support to non-RMON devices. BRIM technology is also incorporated in the MicroMMAC to provide flexible, in the hub bridged-routing interface to any standard technology.

IRIX version compatibility:

# Networking & Connectivity

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## Model 487-1 EISA bus-to-VMEbus Adaptor

Jerry Medley  
Dir, Sales & Marketing  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**jerrym@bit3.com**  
**<http://www.bit3.com>**

The Model 487-1 Adaptor is used to provide high-speed, low-latency bus-to-bus connection between Silicon Graphics Indigo2 workstation via EISABus to separate VMEbus system. The two systems are only connected when data transmission is needed thereby saving bandwidth. Communication is via Memory Mapping, built-in DMA Controller and Slave DMA Models. The workstation can use the resources of the special function VMEbus cards on processor as if they were local to the Indigo2. Sustained transfer rates up to 26M Bytes/sec. Distance separation between systems to 25 feet with copper cable and to 2000 meters with fiber-optic options.

IRIX version compatibility: 5.3

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## Model 607 GIO bus-to-VMEbus Adaptor

Jerry Medley  
Dir, Sales & Marketing  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**jerrym@bit3.com**  
**<http://www.bit3.com>**

The Model 607 Adaptor is used to provide high-speed, low-latency bus-to-bus connection between Silicon Graphics Indy workstation via GIO Bus to a separate VMEbus system. The two systems are only connected when data transmission is needed thereby saving bandwidth. Communication is via Memory Mapping, built-in DMA Controller and Slave DMA Modes. The workstation can use the resources of the special function VMEbus cards or processor as if they were local to the Indy. Sustained transfer rates up to 26M Bytes/sec. Distance separation between systems to 25 feet with copper cable and to 2000 meters with fiber-optic options.

IRIX version compatibility: 6.0

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## Model 608 GIO64 bus-to-bus VMEbus Adaptor

Jerry Medley  
Dir, Sales & Marketing  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**jerrym@bit3.com**  
**<http://www.bit3.com>**

The Model GIO64 Adaptor is used to provide high-speed, low-latency bus-to-bus connection between Silicon Graphics Indigo2 workstation via GIO64 Bus to a separate VMEbus system. The two systems are only connected when data transmission is needed thereby saving bandwidth. Communication is via Memory Mapping, built-in DMA Controller and Slave DMA Modes. The workstation can use the resources of the special function VMEbus cards or processor as if they were local to the Indigo2. Sustained transfer rates up to 26M Bytes/sec. Distance separation between systems to 25 feet with copper cable and to 2000 meters with fiber-optic options.

IRIX version compatibility: 5.3, 6.2



# Networking & Connectivity

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## NE ISDN InterHub

Cindy Dames  
Channel Development  
Manager  
Network Express, Inc.  
4251 Plymouth Road  
Ann Arbor, MI 48105  
USA  
**313-761-5005**  
**313-995-1114 (fax)**  
**dames@nei.com**  
**[http://branch.com/  
netexpress/netexpress.html](http://branch.com/netexpress/netexpress.html)**

The NE ISDN InterHub, Release 5.0, is a high performance central site solution for ISDN internetworking. The InterHub routes IP and bridges all other protocols providing key elements to ISDN networks supporting TCP/IP, Point-to Point (PPP) protocols, compression, extensive security, and efficient network management. We have enhanced our list of interoperable products adding Bridging Control Protocol (BCP) and Multilink Protocol (MLP) providing users of ISDN bridges, routers, Silicon Graphic's Indy workstations, and terminal adapter cards bandwidth capacity of up to 128 Kbps. The InterHub handles multiple BRI and/or PRI interface in one system that is scaleable up to 48 simultaneous users.

IRIX version compatibility:

---

## NE ISDN Router

Cindy Dames  
Channel Development  
Manager  
Network Express, Inc.  
4251 Plymouth Road  
Ann Arbor, MI 48105  
USA  
**313-761-5005**  
**313-995-1114 (fax)**  
**dames@nei.com**  
**[http://branch.com/  
netexpress/netexpress.html](http://branch.com/netexpress/netexpress.html)**

The NE ISDN Router, Release 3.0, provides LAN-to-LAN internetworking for companies who need to transmit LAN data from multiple sites with networks consisting of Silicon Graphic's Indy workstations over a Wide Area Network. The Router routes IP and bridges all other protocols providing key enhancements including IPX spooling to control local network traffic, and extensive network management. Inverse multiplexing is used to combine B channels for the desired bandwidth using ISDN Basic Rate, ISDN Primary Rate, Switched 56, Frame Relay, and/or dedicated access. It provides automatic backup and peak traffic off-loading to dedicated leased line and Frame Relay networks.

IRIX version compatibility:

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## NELINK-1000™

Cindy Dames  
Channel Development  
Manager  
Network Express, Inc.  
4251 Plymouth Road  
Ann Arbor, MI 48105  
USA  
**313-761-5005**  
**313-995-1114 (fax)**  
**dames@nei.com**  
**[http://branch.com/  
netexpress/netexpress.html](http://branch.com/netexpress/netexpress.html)**

NELINK-1000™, Release 1.1, provides a high performance, reliable, dual processor, shared memory architecture as a central site and remote solution for ISDN internetworking. Routing IP and bridging all other protocols, it provides key elements supporting TCP/IP, PPP, compression, extensive security and network management. High integrity of software installation/upgrades are obtained through intelligent communication protocol, Cyclical Redundancy Check, and Power On Self Test diagnostics. It interoperates with a wide range of bridges, routers, Indy workstations, and terminal adapter cards. Handles up to 8 simultaneous users over ISDN Basic Rate providing up to 128 Kbps of bandwidth.

IRIX version compatibility:

# Networking & Connectivity

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## NETWORK II.5®

Paul Gorman  
Product Manager  
CACI Products Company  
3333 N. Torrey Pines Court  
La Jolla, CA 92037  
USA  
**619-457-9681**  
**619-457-1184 (fax)**  
**network@caciasl.com**  
**http://www.caciasl.com/**

NETWORK II.5® is a computer and communications network analysis and design tool. It requires no programming and provides a menu-driven, interactive, user-friendly interface. The program simulates computer, avionics, signal processing, and automated factory communications and Local Area Network (LAN) systems of the highest order of complexity. It allows the user to simulation the workload processing capability of alternate system configurations and to evaluate competing designs.

NETWORK II.5 provides an animated picture of the proposed network of processing elements and storage devices in operation. System bottleneck and changing levels of utilization are apparent. In addition, reports show response times, messages delivered, messages lost, device utilization and queuing statistics.

Allows user to build, maintain and verify the data structures needed to describe systems. Provides a framework for system modeling. Allows user to specify preconditions for execution by modules such as time, file availability, receipt of a message and semaphore status.

CACI offers a free, no-obligation, 60-day trial of the fully documented product, including free training, complete documentation, and full technical support.

IRIX version compatibility:

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## NetFX-Impact

Tom Shearer  
Vice President Sales  
Prisa Networks  
5897 Oberlin Drive  
Suite 211  
San Diego, CA 92121  
USA  
**619-677-0030 ex**  
**619-677-9099 (fax)**  
**tom@prisa.com**  
**http://www.prisa.com**

The NetFX-Impact adapter provides Fibre Channel connectivity for Silicon Graphics Impact Workstation supporting the 64-bit GIO bus. Communicating at rates up to 1062.5 megabit/sec., the adapter has been optimized for movement of digital video "faster-than-realtime". Offering one or two independent Fibre Channel ports, NetFX-Impact has been designed to "slot-share" with Impact Video in Solid or High Impact workstations. Two streams of realtime CCIR601/SMPTE259M digital video can be fed directly from disk or network to the serial ports. The adapter is also able to slot-share in Maximum Impact configurations. Available software supports SCSI, IP, and Prisa "Transporter" data transfer protocols.

IRIX version compatibility: 5.36.2

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## NetGBB™

Daniel Corkill  
Director of Marketing  
Blackboard Technology  
Group, Inc.  
401 Main Street  
Amherst, MA 01002  
USA  
**413-256-8990, 8**  
**419-256-3179 (fax)**  
**800-577-8990 (tollfree)**  
**info@bbtech.com**  
**http://www.bbtech.com**

NetGBB™ provides extensions to GBB that allow developers to use networked GBB systems to construct enterprise-wide distributed applications. NetGBB, coupled with GBB, provides developers with a blackboard framework and integrated network-communication facilities designed to work together especially for distributed networks of blackboard systems.

NetGBB provides remote evaluation, blackboard-object transfer, remote object modification, remote object retrieval, mirroring, synchronization, and translation services. NetGBB includes a virtual-host facility that allows transparent modifications to the underlying network configuration. NetGBB is a layered product, built on industry-standard network protocols. As a result, NetGBB allows use of existing communication network facilities.

IRIX version compatibility: 5.x, 6.0, 6.1, 6.2

# Networking & Connectivity

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## Network Data Delivery Service™

Brett Murphy  
Sales Engineer  
Real-Time Innovations, Inc.  
155A Moffett Park Drive  
Suite 111  
Sunnyvale, CA 94089  
USA  
**408-720-8312**  
**408-734-5009 (fax)**  
**brett@rti.com**  
**http://www.rti.com**

The Network Data Delivery Service™ (NDDS) makes it easy to share data and events in a distributed system without network programming. NDDS features an advanced subscription communications model. Simply publish and subscribe to data objects by name only; NDDS distributes each update to all subscribers. Since subscribers don't request items individually, updates are fast. Automatically-generated code supports any data type, so it fits quickly into your application. NDDS features a true real-time communications model; update time guarantees, multiple delivery rates, best-efforts or reliable delivery, timed queries. NDDS will change how you think about distributed applications.

IRIX version compatibility:

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## Network Quality of Service Solution (NQSS)™

Dan Reis  
Director, OEM Sales  
NetManage, Inc.  
269 Mt. Hermon Road  
Scotts Valley, CA 95066  
USA  
**408-439-6840**  
**408-438-5115 (fax)**  
**danr@netmanage.com**  
**http://www.netmanage.com**

NQSS provides bandwidth and QOS reservations using the ST-2 protocol. It also provides a native ATM protocol. NQSS comes with a TLI API. In addition, NQSS includes a redirector which captures designated packets and sends them over reserved channels or ATM SVCS. NQSS offers guaranteed performance for networking applications such as video-conferencing, video-on-demand, Internet Telephony and Real-time simulation.

IRIX version compatibility: IRIX 5.3, 6.2, 6.4

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## Network Quality of Service Solutions (NQSS)

Dan Reis  
Director, Marketing & Sales  
Syzygy Communications, Inc.  
269 Mt. Hermon Road  
Suite 201  
Scotts Valley, CA 95066  
USA  
**408-439-6840**  
**408-438-5115 (fax)**  
**danr@syzygycomm.com**

Network Quality of Service Solutions (NQSS) provides network bandwidth management from the workstations over IANs and WANs. Provides flow control, policing and regulation of workstation applications as well as reserving a path and bandwidth thru LANs/WANs over routers and ATM switches. Also reserves bandwidth in the future.

IRIX version compatibility:

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## OPNET®

Marc Cohen  
Director of Marketing  
MIL 3, Inc.  
3400 International Drive, N.  
W.  
Washington, DC 20008  
USA  
**202-364-8390**  
**202-364-8554 (fax)**  
**mcohen@mil3.com**

OPNET® is a computer-aided engineering tool for communication networks and analysis. Originally conceived through research at MIT, OPNET reduces costly and time-consuming simulation software development in the network design and analysis cycle. Models are graphically specified and automatically translated to executable simulation code.

Application areas include: network planning and analysis; LAN development; microwave network development; protocol development and evaluation; and routing algorithm evaluation. The power of OPNET is in its ability to support the design of complex simulations in a fraction of the time normally required.

IRIX version compatibility:

# Networking & Connectivity

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## Open ACCLIM8™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open ACCLIM8™ reduces the effort of moving Fortran applications to open systems by providing unprecedented features for adapting VAX™ applications to UNIX®. Open ACCLIM8 resolves most unsupported VAX Fortran features. It performs all the compiling and linking steps, including everything needed to use Open LIBR8™.

Type checking is performed on arguments passed to intrinsic functions and the VMS® routines provided by Open LIBR8. Open ACCLIM8 also provides indexed file support, a feature not present in most UNIX® Fortran compilers. In all cases, Open ACCLIM8 maintains the functionality of the original program. Open ACCLIM8 is used by programmers to port VAX Fortran programs reliably.

IRIX version compatibility: 5.3, 6.2

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## Open BASIC™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open BASIC™ automates the migration of VAX BASIC application code from Digital's proprietary VMS environment to Open Systems. Open BASIC is a retargetable compiler that reads VAX BASIC and generates portable C source code. Open BASIC is the most portable BASIC compiler fully compatible with the features of VAX BASIC.

Open BASIC produces understandable and concise C code, preserving program structure, variable names and comments. Open BASIC translates proprietary VAX BASIC extensions without changing the functionality of the original program. Open BASIC supports the VAX BASIC runtime environment and automatically handles linking to Accelr8's Open LIBR8™ runtime libraries, which include support for popular VMS features including RMS, QIO, SMG and logical names.

IRIX version compatibility: 5.3, 6.2

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## Open COBOL™

Timothy Fitzpatrick  
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ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open COBOL™ is a VAX™ COBOL pre-compiler that automates the migration of VAX COBOL application code from Digital's proprietary VMS® environment to Open Systems. Open COBOL is a source code that reads VAX COBOL and generates intermediate COBOL code that will then accurately and fully compile by the target UNIX® COBOL compiler. Fully compatible with the powerful VAX COBOL environment, Open COBOL will ensure that existing application and user-interface functionality is preserved.

IRIX version compatibility: 5.3, 6.2

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## Open Client™

Sales Department  
Sybase, Inc.  
6601 Bay Street  
Emeryville, CA 94608  
USA  
**510-922-3500**  
**<http://eventsource.com/sybase/>**

Open Client™ is a library of routines, programming services, and runtime services used to develop client applications. It allows custom programs, SYBASE tools, and non-Sybase products to communicate with the SQL Server, OmniSQL Gateway™, or with applications developed using Open Server™. Open Client can request data or services over a network and provide other runtime functions such as establishing connections and sending and receiving data.

IRIX version compatibility:

# Networking & Connectivity

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## Open DCL™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open DCL™ allows UNIX® system users to utilize familiar and versatile VAX™ DCL command procedures. Open DCL supports complex logical name functions and VMS-style error handling.

Listed below are many of the popular DCL command procedures and features supported by Open DCL that address the needs of users of new and open systems. Users can:

- Process VAX/VMS™ DCL command procedures on UNIX
- Define and use logical names
- Learn UNIX commands
- Access DCL Help facility
- Mix usage of DCL and UNIX shell
- Develop and execute programs
- Develop and execute familiar command procedures.

IRIX version compatibility: 5.3, 6.2

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## Open I-SAM™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open I-SAM™ is a multi-key B+ TREE indexed file manager which conforms to the C-ISAM® standard. It is implemented as a library of routines written in C.

IRIX version compatibility: 5.3, 6.2

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## Open INTEGR8™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open INTEGR8™ is a record access system that allows data sharing between binary-incompatible systems running on the same network. After a data record is read, Open INTEGR8 translates the data to a format compatible with the requesting environment. Before writing back to the file, Open INTEGR8 re-translates the data into the original format. Open INTEGR8 supports file and record locking so that multiple applications can access the same data file simultaneously.

Open INTEGR8 provides true interoperability because data is shared. The process occurs at the system level and is automatic. Open INTEGR8 runs on ethernet networks using TCP/IP or DECnet™ transmission protocols.

IRIX version compatibility: 5.3, 6.2

# Networking & Connectivity

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## Open LIBR8™

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USA  
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**tim@accelr8.com**

Open LIBR8™ is a library of callable routines, native to and optimized for UNIX®, using the same naming conventions as the VAX/VMS™ runtime system. Open LIBR8 incorporates many popular VMS® programming features including: Asynchronous System Trap Services; Event Flag Services; File Utility Library Routines; Logical Names; Mailbox Services; Memory Management Services; Process Control System Services; Queued I/O; String and Mathematical Routines; RMS Files; SMG Routines (sold separately); and lock management.

Open LIBR8 dramatically reduces the expense of moving VMS-based applications to open systems.

IRIX version compatibility: 5.3, 6.2

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## Open PASCAL™

Timothy Fitzpatrick  
Vice President, Sales  
ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open PASCAL™ is a VAX™ PASCAL translator that automates the migration of VAX PASCAL application code from Digital's proprietary VMS® environment to Open Systems. Open PASCAL is a source code translator that reads VAX PASCAL and generates portable and maintainable C code.

IRIX version compatibility: 5.3, 6.2

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## Open RMS™

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ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open RMS™ I/O routines are an implementation of the VMS RMS I/O calls designed to run under various UNIX operating systems. The design intent of Open RMS is to implement these routines as completely (and as transparently) as possible.

IRIX version compatibility: 5.3, 6.2

# Networking & Connectivity

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## Open SMG™

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ACCEL R8 Technology  
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303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open SMG™ is a screen manager that provides a full set of terminal independent functions and I/O handling. Open SMG supports multiple windows on a terminal screen with viewports.

Open SMG supports existing pasteboards, virtual displays and keyboards. Input operations are compatible with existing VAX methods and facilities. Output operations are handled the same as under VMS, including composition operations (paste, move, pop, etc.), output through virtual displays (insertion, writing, viewports, menus, etc.), and batch output operations.

Open SMG supports nearly 100 of the SMG library routines that are supported under VMS including Keyboard routines, Pasteboard routines, Virtual Display routines, Viewports, and Menus. Routines that provide support for Non-Digital terminals are also implemented.

IRIX version compatibility: 5.3, 6.2

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## Open SUBMIT™, Version 1.0

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ACCEL R8 Technology  
Corporation  
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Denver, CO 80203  
USA  
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**303-863-1218 (fax)**  
**tim@accelr8.com**

Open SUBMIT™ allows users on VMS® systems to submit/manage batch jobs running on UNIX® computer servers on a network with the VAX™. Open SUBMIT includes three DCL commands on the VAX (A8SUBMIT, A8SHOW, A8DELETE), which control batch command files sent to UNIX systems for processing. Upon completion, the job status and output is automatically returned to the VAX. Open SUBMIT allows VAX users to exploit the power of UNIX systems without leaving the familiar VAX/Open VMS environment.

IRIX version compatibility: 5.3, 6.2

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## Open Server™

Sales Department  
Sybase, Inc.  
6601 Bay Street  
Emeryville, CA 94608  
USA  
**510-922-3500**  
**<http://eventsybase.com/>**

Open Server™ is the only server API that enables the integration of any data source, server application, and application service. Open Server includes the developer programming libraries necessary to develop applications that access any data, application and services and provide that data or the results of that processing back to any Open Client system on the network. Sybase Open Server gives the developers the ability to "access" the client/server network through a simple programming interface, thus writing code to handle connection management, low level network driver interaction, message format definition, assembly and disassembly.

IRIX version compatibility:

# Networking & Connectivity

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## Open TPU™

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ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open TPU™ is an editor that includes features and functions compatible with the VMS® TPU editor. Open TPU takes advantage of the power of UNIX, while preserving the VMS user's most popular and useful routines.

Open TPU provides VAX™ users with familiar VMS-style editor interfaces including EVE, EDT, and WPS. Included are 100 functionally equivalent VMS TPU subroutines.

OpenTPU offers a wide variety of editing functions, powerful pattern matching, and extensive library or language support features that are easy to learn and even easier to use. Power, versatility and compatibility make editing for VMS users on UNIX fast and easy.

IRIX version compatibility: 5.3, 6.2

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## Open TRANSL8™

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ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open TRANSL8™ is a record-oriented file transfer and conversion utility that moves binary and text data between VMS® and UNIX® systems connected to a network. Open TRANSL8 converts text and binary data and replicates the appropriate file organization. Differences in byte ordering, floating point representations, and data alignment are all addressed by Open TRANSL8.

Proper use is assured with an easy-to-learn command-line interface. Translation sessions may be initiated from either the VAX™ node or the UNIX node utilizing either TCP/IP or DECnet to transfer data.

IRIX version compatibility: 5.3, 6.2

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## Open2L™

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ACCELR8 Technology  
Corporation  
303 East 17th Avenue  
Suite 108  
Denver, CO 80203  
USA  
**303-863-8088**  
**303-863-1218 (fax)**  
**tim@accelr8.com**

Open COBOL™ is a VAX™ COBOL pre-compiler that automates the migration of VAX COBOL application code from Digital's proprietary VMS® environment to Open Systems. Open COBOL is a source code that reads VAX COBOL and generates intermediate COBOL code that will then accurately and fully compile by the target UNIX® COBOL compiler. Fully compatible with the powerful VAX COBOL environment, Open COBOL will ensure that existing application and user-interface functionality is preserved.

IRIX version compatibility: 5.3, 6.2

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## OpenDVE™

Keith Wimberley  
Director of Marketing  
InSoft, Inc.  
4718 Old Gettysburg Road  
Suite 307  
Mechanicsburg, PA 17055  
USA  
**717-730-9501**  
**717-730-9504 (fax)**  
**info@insoft.com**  
**http://www.insoft.com/**

OpenDVE™ is the industry's first software development platform giving user applications full collaborative capabilities through application sharing and distributed multimedia, on-demand access to digital video, comprehensive management features for desktop conferencing and more. It allows applications to run between supported host platforms. It delivers true interoperability across various network topologies.

Its open framework enables users to move quickly to support new video compression standards as they become available. OpenDVE delivers the necessary foundation to fully exploit the advantages of collaborative computing and distributed digital video, while fostering increased developer innovation and productivity.

IRIX version compatibility:



# Networking & Connectivity

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## PC MACLAN

Mike Sheffey  
Miramar Systems, Inc.  
121 Gray Avenue  
Suite 200  
Santa Barbara, CA 93101  
USA  
**805-966-2432**  
**sheffey@ccmail.**  
**miramarsys.com**  
**http://www.miramarsys.**  
**com**

PC MACLAN allows any windows 95 PC to access any AppleTalk services running on an SGI machine. It allows for seamless file and print sharing over an existing Ethernet network.

IRIX version compatibility:

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## PC-Enterprise

Michael Gilmore  
Director of Sales  
Platinum Technology  
9800 La Cienega Boulevard  
Inglewood, CA 90301-4440  
USA  
**310-337-5998**  
**310-670-2980 (fax)**  
**gilmore@platinum.com**  
**http://www.platinum.com**

PC-Enterprise is a networking software technology that helps manage desktop/enterprise integration more efficiently, securely, and economically. PC-Enterprise connects PCs to your SGI UNIX systems, so end users can share valuable resources, enterprise wide. PC-Enterprise integrates SGI Systems and other enterprise file and print resources with the Windows 95, Windows 3.1, and Workgroups 3.11 environments. Benefits from connectivity include:

- PC file, application, and print sharing on SGI servers
- Access to UNIX applications through PowerTerm, terminal emulation
- Internet e-mail through Eudora Pro
- Web-authoring aid for Internet and Intranet development
- Superior server administration, providing security, directory services, broadcast messaging

IRIX version compatibility: 5.3

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## PC-Interface™

Michael Gilmore  
Director of Sales  
Platinum Technology  
9800 La Cienega Boulevard  
Inglewood, CA 90301-4440  
USA  
**310-337-5998**  
**310-670-2980 (fax)**  
**gilmore@platinum.com**  
**http://www.platinum.com**

PC-Interface™ is the easiest way to integrate DOS, Windows, Novell NetWare and Windows for Workgroups desktop PCs with Silicon Graphics MIPS ABI systems over TCP/IP. With PC-Interface, you can share files, applications and printers over a local area network using the Silicon Graphics system as a non-dedicated PC file and print server. PCs attach through any standard Ethernet adapter, RS-232 serial line or modem. PC-Interface includes a full TCP/IP stack for client/server and DBMS support, WINSOCK support for Internet access, and VT220 terminal emulation. Also available: Internet electronic mail, Internet file transfer, local printer sharing, and advanced terminal emulation.

IRIX version compatibility:

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## PC300 Series and Mac300 Series

Steve Parsons  
White Pine Software, Inc.  
40 Simon Street  
Nashua, NH 03060  
USA  
**603-886-9050**  
**603-886-9051 (fax)**  
**sparsons@wpine.com**

White Pine Software offers a multiplatform family of DEC VT300 emulation software that allows Macintosh and Microsoft Windows desktops to connect to graphic and text applications on the host. PC300 for Windows and Mac300 for Macintosh are simple to install, easy to use, support color graphics and text, and have powerful features such as scripting and macros for automatic connections. Both the Mac300 Series and PC300 Series offer support for most common network environments and connections including TCP/IP, DECnet, LAT, CTerm, serial and modem.

IRIX version compatibility:

# Networking & Connectivity

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## PCEHSD™

William Helmke  
Manager of Sales  
Applied Data Sciences, Inc.  
2270 Springlake Road  
Suite 300  
Dallas, TX 75234  
USA  
**214-243-0113**  
**214-243-0217 (fax)**

PCEHSD™ is a high speed data link between an Indigo2 and HSDs or HSD devices. The PCEHSD board provides an EISA bus controlled emulation of Encore's HSDII board. The PCEHSD, an intelligent interface with an onboard processor and data buffering, making it easy for application programmers to use. An external device--ie, a visual system--can interrupt, allowing an Indigo2 to drive a visual system. The software driver is currently under development. The PCEHSD will drive HSD peripherals from the EISA bus on the Indigo2 and interface to an Encore Host via the HSD. It supports the same HSD modes as the VMEHSD.

IRIX version compatibility: 6.x

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## PCI Expansion Products

Eric Augustine  
Application Engineer  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**eric@bit3.com**  
**http://www.bit3.com**

Bit 3 offers a PCI Expansion Unit that provides seven additional PCI slots for a single host PCI card slot. The Expansion backplane is housed in either a 19" rackmount or mini-tower enclosure. Both units have FCC Class A approval and CE mark certification. The Host Card/PCI Expansion Enclosures support 32-bit memory addressing and I/O with a throughput of 132M bytes/second.

IRIX version compatibility: 6.0

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## PCI serial HIPPI NIC

John Thuotte  
Dir, N. Amer Western Reg  
Essential Communications,  
Inc.  
1706 Blossom Lane #2  
Redondo Beach, CA 90278  
USA  
**310-372-3068**  
**310-372-3078 (fax)**  
**johnt@esscom.com**  
**http://www.esscom.com**

The PCI serial HIPPI network interface card provides HIPPI connectivity for the O2, Octane, Origin200/2000, and Onyx2 platforms. Essential's PCI serial HIPPI NIC runs over standard multi-mode or single mode fiber. HIPPI supports data transfer rates of 800 mbps per direction (transmit and receive). The PCI NIC supports TCP/IP protocols or low-level HIPPI character driver. HIPPI nodes are interconnected via an Essential EPS-16 HIPPI switch, which supports serial HIPPI and/or parallel HIPPI connections.

IRIX version compatibility: 6.x

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## PCI-VMEbus Adaptor

Eric Augustine  
Application Engineer  
Bit 3 Computer Corporation  
8120 Penn Avenue, South  
Suite 548  
Minneapolis, MN 55431  
USA  
**612-881-6955**  
**612-881-9674 (fax)**  
**eric@bit3.com**  
**http://www.bit3.com**

Bit 3 has a PCI-VMEbus Adaptor. This Bus-To-Bus Adaptors provides a high speed, memory-mapped connection between a PCI system and a VMEbus system. Sustained DMA transfers of up to 26M bytes/sec are possible with this Adaptor. Optional Fiber-Optic drivers are also available providing up to 2km separation between the two systems. Bit 3 has a wide variety of Bus-To-Bus Adaptors for many of today's popular systems including: SGI, IBM, DIgital, Sun, HP workstations and Pentium PC's.

IRIX version compatibility: 6.0

# Networking & Connectivity

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## PowerBroker™

Ben Freedman  
Director of Marketing  
McAfee Associates, Inc.  
1011 1st Street S.W.  
Suite 508  
Calgary, Al T2R 1J2  
Canada  
**403-264-4822**  
**403-264-0873 (fax)**  
**ben@fsa.ca**  
**<http://www.fsa.ca>**

PowerBroker lets you control, log, and audit activities occurring in the root account on networks of UNIX systems. Using a powerful configuration language, system administrators can set up central policies that define who is allowed to run what, when, where, and under which circumstances as root (or as other important users). You do not need to disclose the root password in order for someone to access root power in a controlled way using PowerBroker.

PowerBroker creates a centrally-maintained indelible audit trail of all the activities it controls. An audit trail query program lets you ask such questions as "tell me everything that user fred ran as root in the last week on machine 37". The amount of information stored in the logs can be controlled through the configuration file, and can be different for each user if necessary.

PowerBroker's purpose is to enhance UNIX by allowing finely-controlled access to important accounts such as root, and by providing a centralized, indelible audit trail of activities in these accounts.

IRIX version compatibility:

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## PowerLogin

Ben Freedman  
Director of Marketing  
McAfee Associates, Inc.  
1011 1st Street S.W.  
Suite 508  
Calgary, Al T2R 1J2  
Canada  
**403-264-4822**  
**403-264-0873 (fax)**  
**ben@fsa.ca**  
**<http://www.fsa.ca>**

PowerLogin gives system administrators control over the UNIX login and password environment, including control over who can log in where, when, and how, and with what kinds of passwords. Using a flexible login policy language, system administrators can specify such things as what time of day a user may log in, who may log in over modem lines or over the network, whether additional passwords or authentication schemes are used, and so on.

PowerLogin also includes a flexible password-aging system, which is compatible with NIS and shadow passwords, and works across an entire UNIX network. Also, PowerLogin can be easily integrated with authentication mechanisms such as smart cards, to further enhance login security.

PowerLogin contains a complete centralized logging system which tracks all login activity, and allows complex queries to be made as to what activities have occurred. In addition, PowerLogin allows the login environment for each user to be completely specified. Administrators can control whether a shell or some other program is invoked for the user, what directory the user is placed in, and what environment variables are set, among other things.

IRIX version compatibility:

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## PowerMon II

Jim Rigman  
Marketing Manager  
Systems Enhancement  
Corporation  
174 Chesterfield Industrial  
Blvd.  
Chesterfield, MO 63005  
USA  
**314-532-2855**  
**314-532-2037 (fax)**  
**[jim@sechq.com](mailto:jim@sechq.com)**

PowerMon II is UPS (Uninterruptable Power Supply) monitoring and system shutdown software for all operating systems.

The award-winning PowerMon II software monitors a UPS for AC power failure and low battery situations. In the event of a power disturbance, PowerMon II will inform users of that the server is running on battery power, and if power is not restored, PowerMon II will perform a graceful unattended shutdown, thereby protecting all system data.

IRIX version compatibility:

# Networking & Connectivity

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## PowerTelnet

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**403-264-4822**  
**403-264-0873 (fax)**  
**ben@fsa.ca**  
**<http://www.fsa.ca>**

PowerTelnet uses proven public-key encryption technology to provide a secure, private channel for remote login between two computers over insecure networks.

Keystrokes and data generated at each end of the channel are securely encrypted before being transmitted across the network, protecting the integrity and privacy of sensitive information as it travels.

The public-key mechanism used for encryption removes the need for any complex key management system -a shortcoming of private-key-systems- and in fact allows any two computers running PowerTelnet to communicate in private without any prior arrangements having been made between the sites.

IRIX version compatibility:

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## ProtoKit™

Sales Department  
UconX Corporation  
4669 Murphy Canyon Rd.  
San Diego, CA 92123  
USA  
**619-627-1700**  
**619-627-1710 (fax)**

ProtoKit™ is a STREAMS-based protocol development package that provides the foundation for efficient development of unique protocol stacks. The software you develop using ProtoKit becomes a complete solution that connects your system to virtually any wide-area network or remote system. ProtoKit provides a complete development environment, including real-time kernel and serial device drivers.

IRIX version compatibility:

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## RGB 112 Universal Workstation Computer Video-Interface

Gary Kayye  
VP, Sales  
Extron Electronics  
1230 South Lewis Street  
Anaheim, CA 92805  
USA  
**714-491-1500**  
**714-491-1517 (fax)**  
**gary@extron.com**  
**<http://www.extron.com/>**

The RGB 112 PLUS is a universal 13W3 video connector computer video interface designed to connect any SGI workstation (i.e. Indigo/Onyx/Indy 2/Crimson) using the 13W3 video output connector to a large screen graphics projector or monitor. The RGB 112 PLUS is ideal for use with SGI and other workstations using the 13W3 video connector because of its automatic sync stripping ability from the Red, Green and Blue video channels and its 300 MHz RGB Video Bandwidth. The input cable is included.

IRIX version compatibility:

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## RGB 120 Universal Analog/ECL Computer Interface

Gary Kayye  
VP, Sales  
Extron Electronics  
1230 South Lewis Street  
Anaheim, CA 92805  
USA  
**714-491-1500**  
**714-491-1517 (fax)**  
**gary@extron.com**  
**<http://www.extron.com/>**

The RGB 120 is a wide-bandwidth, 200 MHz, Universal Analog and ECL computer-video interface which allows any computer or workstation with analog or ECL video outputs to be connected to a compatible large-screen data projector, data monitor, or LCD Panels/Projectors. Two unique features of the RGB 120 are its ability to strip sync from the red, green and blue video channels and its automatic sync output detection. Stripping sync from red, green and blue is required when interfacing high resolution workstations (such as Silicon Graphics Indigo, Indy 2, Onyx and Crimson) with sync on all three video channels. Automatic sync output detection allows for user-friendly selection of sync output formats. Because the RGB 120 is universal, MBC "Monitor Breakout Cables" must be ordered separately.

IRIX version compatibility:

# Networking & Connectivity

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## RGB 202xi

Gary Kayye  
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Extron Electronics  
1230 South Lewis Street  
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USA  
**714-491-1500**  
**714-491-1517 (fax)**  
**gary@extron.com**  
**http://www.extron.com/**

The new RGB 202xi is a two-input, universal computer-video and audio interface capable of providing complete compatibility with any computer system on the market. Because of its true 300 MHz bandwidth, special enhancement features and dual-input switching capability, the RGB 202xi is the ultimate system interface capable of compensating for many of the limitations found in data/graphics projectors and monitors. Special enhancement features include a Sharpness Control (peaking), a Boost Control (to drive signals up to 1,000 feet), digital Sync Processing (for automatic image centering) and Sync Stripping from the red, green, and blue video channels.

IRIX version compatibility:

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## ROSIN-License-System

Petra Wiegink  
General Manager  
ROSIN GmbH  
Roniger Weg 13  
Linz/Rhein, D-53545  
Germany  
**011-49-2644-970030**  
**011-49-2644-9700332 (fax)**

The ROSIN License System can be incorporated into all kind of applications to control their usage on homogeneous or heterogeneous networks. Up to three license servers in a network handle the distribution of licenses to the clients and inform about the actual usage of licenses in the system. Floating licenses (the license is not tied to a specific machine), are as well supported as machine specific licenses. Licenses can be linked to a given software version or to a user. Single functions of a complex software package can be licensed individually. The fully internationalized user interface is based on OSF/MOTIF.

IRIX version compatibility:

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## RPC 3.0™

David Burns  
Vice President, Marketing  
NobleNet, Inc.  
337 Turnpike Road  
Southboro, MA 01772  
USA  
**508-460-8222**  
**508-460-3456 (fax)**  
**david.burns@noblenet.com**  
**http://www.noblenet.com/**

NobleNet® client-server development tools use remote procedure call (RPC) technology to simplify client-server programming. RPC technology represents interactions between clients and servers as procedure call across a network. Programmers are familiar with procedural coding and easily understand and use remote procedure calls. NobleNet RPC programming tools provide client-server connectivity for applications running on DOS/Windows, NetWare and Unix systems. The multi-platform middleware tools work in both ONC/RPC and TI/RPC environments, and from a common code base, will generate code for either environment. RPC's generated include: Synchronous, Nowait, Batch, Callback, Broadcast, Datagram and Virtual Forking, and allow passing of complex data types.

IRIX version compatibility:

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## Radar Receiver Protocol

Sales Department  
UconX Corporation  
4669 Murphy Canyon Rd.  
San Diego, CA 92123  
USA  
**619-627-1700**  
**619-627-1710 (fax)**

The Radar Receiver Protocol package consists of CD-2, ASTERIX, FPS 117, Marconi protocols, Thompson-CSF and Modified Eurocontrol. These protocols are used for communication with military and civil aviation radar systems. All UconX software protocols support multiple serial lines and are completely simultaneously on the same server or communication controller.

IRIX version compatibility:

# Networking & Connectivity

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## Robot Access Control (RAC)

K.C. Garrigan  
Mgr., Strategic Accounts  
Network Information  
Technology  
12930 Saratoga Avenue  
Saratoga, CA 95070  
USA  
**408-996-1688**  
**408-996-1898 (fax)**  
**kc@nit.com**  
**http://www.nit.com/**

RAC is a tool that enables secure UNIX administration. It restricts distribution of root account passwords while granting legitimate users access to the specific subset of "root" privileges they need. Tasks or applications requiring privileged command usage will be executed and logged under individual user IDs, establishing accountability. Delegating responsibilities allows the System Administrator time for priority projects. Role-based security policies control which users have which privileges on which servers at what times. RAC provides an effective audit trail with intelligent filters and automated report generation/distribution capabilities. Applications protected with MD5 checksum verification.

IRIX version compatibility: 5.3, 6.x

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## SCH:Robot

Debbie Phipps  
Director, Marketing Comm.  
SCH Technologies  
895 Central Avenue  
Cincinnati, OH 45202  
USA  
**513-579-0455**  
**513-579-1064 (fax)**  
**dhipps@sch.com**  
**http://www.sch.com**

SCH:Robot provides seamless integration between REELbackup and or REELibrarian and many of the most popular automated tape library units. With SCH:Robot, users of ADIC, ATL, Brece Hill, Emass, Exabyte, IBM, Philips, StorageTek, and robotic libraries can take advantage of the high performance backup/restore and mainframe class media management offered by REELbackup and REELibrarian. In addition to several unique features including a client/server design, multi-host tape drive attach, "mailbox" input/output support, fast inventory option, mixed media and a stand-alone api robotic access.

IRIX version compatibility: 6.x

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## SCRAMNet®+ Network

Andy Powell  
Sales Manager, N. America  
SYSTRAN Corporation  
4126 Linden Avenue  
Dayton, OH 45432-3068  
USA  
**513-252-5601**  
**513-258-2729 (fax)**  
**info@systran.com**  
**http://www.systran.com**

The SCRAMNet®+ Network is a real-time communication system based upon a replicated, shared-memory concept. Systran's new ASIC chip reduces the size of the board to only a single slot. Media options now include either fiber optic or coaxial cable. SCRAM-Net®+ Network is optimized for the high-speed transfer of data between computers that are solving portions of the same real-time problem. Applications include simulation, industrial control, data acquisition, telemetry, robotics, and virtual reality.

IRIX version compatibility: 6.2

# Networking & Connectivity

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## SIMEAON™: The Evolution of Internet Communication

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Sales & Marketing Director  
The Esys Corporation  
#835, 10040-104 Street  
Edmonton, AL T5J 0Z2  
Canada  
**403-424-4922**  
**403-424-4925 (fax)**  
**don@esys.ca**  
**http://www.esys.ca**

SIMEAON™ is a standards-based messaging backbone built for TCP/IP networks. Current applications include E-Mail and X.500 Directory Services. Key standards support includes IMAP, IMSP, MIME, Kerberos, X.500, DAP and LDAP.

SIMEAON™ will be of most interest to those organizations that have one or more of the following characteristics:

- \* a TCP/IP network in place
- \* a need to scale across a large employee (user) population
- \* multiple locations, likely spread across the country or the globe
- \* heterogeneous desktops - Windows, Mac, X/Motif and perhaps NT & OS/2 - with a desire for a common user interface
- \* users with multiple desktops (work, home, laptop) and a requirement to access mail from each of these
- \* a desire to provide a standard, organization-wide mail service

IRIX version compatibility:

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## SM-arch®

Sunil Khadilkar  
Vice President  
Software Moguls, Inc.  
12301 Whitewater Drive  
Suite 160  
Minnetonka, MN 55343  
USA  
**612-932-6730**  
**612-932-6736 (fax)**  
**info@moguls.com**  
**http://www.moguls.com/**

Software Moguls' SM-arch® 3.1 is a backup and retrieval system for heterogeneous networks through single-point control. The system includes remote backup device support for tape/optical jukeboxes with multiple simultaneous backups. Also provided are interleaving; device independence point and click file retrieval; and OpenLook, Motif and character and command line interfaces. A front and back end scripting feature allows interfacing with other applications. The backup format is TAR compatible and fast retrieval is through QFA. Running on various UNIX platforms (SGI, Sun, HP, RS/6000, DEC Ultrix, SCO), the system supports both UNIX and non-UNIX clients such as PCs, Mac and VAX systems.

IRIX version compatibility: 5.3, 6.0, 6.1, 6.2

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## SNDCF (Subnetwork Dependent Convergent Function) Wide-Area TCP/IP over X.25

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**http://www.adax.com/**

Adax's SNDCF is a Streams implementation which allows IP datagrams to be carried over a wide-area X.25 connection. This software module, coupled with Adax's CCITT Standard X.25 for UNIX and APD Advanced Protocol Controllers, turns your network server into a gateway/router instantaneously.

An additional platform is not needed to support wide-area connectivity. Using your host TCP/IP, Adax's SNDCF driver links you to wide-area networks. If your LAN software is DDN certified, you have DDN connectivity with Adax's certified X.25. This saves the additional cost of a DDN/TCP IP protocol module.

IRIX version compatibility:

# Networking & Connectivity

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## SPECTRUM®

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

SPECTRUM® provides protocol-independence and multivendor management for complete enterprise-wide systems integration. It proactively monitors networks, pinpoints and corrects problems, and informs network managers on status changes. Using "inductive modeling" techniques, SPECTRUM creates a working model of every device on the network using real-time data collected from the network's intelligent devices. In this way, models of nonintelligent objects such as cable can gather and analyze data and infer their own condition. With SPECTRUM's interoperability, artificial intelligence, and easy-to-use graphical interface, users can soon tame the most complex, unmanageable networks.

IRIX version compatibility:

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## SQL\*Net®

Please contact local SGI  
office/sales rep,  
or call  
Oracle Corporation  
500 Oracle Parkway  
Redwood Shores, CA 94605  
USA  
**800-800-SGI1**  
<http://www.oracle.com/>

Oracle's SQL\*Net® networking products eliminate the boundaries between computers, so information can be moved and shared between disparate systems. With SQL\*Net, users can integrate diverse hardware, operating systems, databases, communications protocols, and applications to create a unified information processing environment. SQL\*Net extends the Oracle relational database management system client-server architecture across networks to provide distributed processing and distributed database capabilities. SQL\*Net supports popular network protocols such as TCP/IP, SPX/IPX, ASYNC, IBM LU6.2, and DECnet. SQL\*Net supports all of the communications hardware and software of the chosen network protocol.

IRIX version compatibility:

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## ST-500 Ethernet Transceiver

Mark Ragno  
Inside Sales Manager  
Cabletron Systems, Inc.  
35 Industrial Way  
Rochester, NH 03867  
USA  
**603-332-9400 X1514**  
**603-332-5501 (fax)**

Cabletron's one-style configurable ST-500 transceiver for thick and thin coax cable enables network planners to change only the tap, not the entire device, eliminating the need to purchase varying types of transceivers.

Three series of taps are available: the nonintrusive ST-500-01, which connects to thick trunk cable without interrupting an active network; the intrusive ST-500-02 link, which attaches between two N-Series male connectors; and the BNC ST-500-03, which allows nodes to be attached to Thinnet via a T-connector. All models are compatible with IEEE 802.3 standards for 10 Mbps medium access units.

IRIX version compatibility:

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## SUPER EMOTIA

Gary Kaye  
VP, Sales  
Extron Electronics  
1230 South Lewis Street  
Anaheim, CA 92805  
USA  
**714-491-1500**  
**714-491-1517 (fax)**  
[gary@extron.com](mailto:gary@extron.com)  
<http://www.extron.com/>

The SUPER EMOTIA is a high-resolution, real-time digital Mac/Quadra, VGA, Super VGA and XGA to NTSC or PAL scan converter. Converting incoming Macintosh or VGA resolutions (640 x 480 to 1024 x 768) to Video, S-Video, and RGB at 15.7 kHz, the SUPER EMOTIA is a multi-scanning, professional-quality scan converter that uses real-time digital technology to convert the signal to video with minimal loss of signal integrity. Utilizing no software drivers, the SUPER EMOTIA includes a built-in automatic anti-flicker filter that also helps eliminate unwanted single pixel line flicker associated with scan conversion.

IRIX version compatibility:



# Networking & Connectivity

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## SYSTRAN's I/O Solutions

Andy Powell  
Sales Manager, N. America  
SYSTRAN Corporation  
4126 Linden Avenue  
Dayton, OH 45432-3068  
USA  
**513-252-5601**  
**513-258-2729 (fax)**  
**info@systran.com**  
**http://www.systran.com**

SYSTRAN's I/O Solutions are a full spectrum of general purpose I/O interfaces based on the IPack® Logic Interface specification. I/O products include: analog and digital/discrete interfaces, timers/counters, IPack carriers, special custom design options, and accessories. These high density devices enable designers to specify and implement solutions with a greater level of flexibility than traditional host-based I/O boards. The small form-factor, low power requirements, and generic features, make them powerful, cost effective I/O solutions for applications including data acquisition, instrumentation, and process control.

IRIX version compatibility: 6.2

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## Scopus Enterprise

Sales Department  
Scopus Technology  
1900 Powell Street, 7th  
Floor  
Emeryville, CA 94608  
USA  
**510-597-5800**  
**510-428-1027 (fax)**  
**info@scopus.com**  
**http://www.scopus.com**

Scopus Enterprise is a tightly integrated suite of client/server based tools designed for customer transaction management. Scopus applications consist of SupportTEAM, QualityTEAM, SalesTEAM and ServiceTEAM. SupportTEAM is an integrated call tracking and support management system for technical support engineers, help desks, field application engineers, sales representatives and marketing managers. It manages all site, product, and user information related to customer's call. QualityTEAM is a client/server based change management system designed specifically for software development engineers and quality assurance engineers.

IRIX version compatibility: 5.3

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## SecretAgent®

Thomas Venn  
President  
Information Security  
Corporation  
1141 Lake Cook Road  
Suite D  
Deerfield, IL 60015  
USA  
**847-405-0500**  
**847-405-0506 (fax)**  
**tjvenn@attmail.com**

SecretAgent® is a hybrid public key encryption and authentication utility that employs DES and triple-DES for bulk encryption, Diffie-Hellman and RSA technology for key management, the SHA for message authentication and both the NIST DSA and RSA for digital signatures. It allows a user to encrypt and digitally sign a sensitive file before it is sent to an intended recipient. The intended recipient can use SecretAgent to decrypt the file and verify the authenticity of the sender and file content. SecretAgent offers cross-platform interoperability between DOS, Windows, SGI, Macintosh and various UNIX platforms and works with any electronic mail system.

IRIX version compatibility: 5.x, 6.x

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## SimuNet™

Ranbir Sidhu  
President & CEO  
TeleniX Corporation  
3982 White Rose Way  
Ellicott City, MD 21042-  
5822  
USA  
**410-750-3213**  
**410-750-3293 (fax)**  
**telenix@access.digex.net**

SimuNet™ is a powerful, flexible, and unmatched simulation tool for quickly and accurately evaluating the performance and dynamics of large computer networks and distributed systems. The graphical interface requires no programming to set up a simulation and very little training for professionals familiar with general networking concepts.

SimuNet helps you design new networks or optimize existing networks. SimuNet uses built-in implementations of industry standard protocols including RIP, OSPF, BGP, TCP/IP, CSMA/CD, Token Ring, X.25, and FDDI. Future releases will include implementations of Frame Relay, ATM/B-ISDN, Wireless, and Satellite protocols and interactions with actual network management data.

IRIX version compatibility:

# Networking & Connectivity

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## SoftNet NFS

James Leslie  
President  
Puzzle Systems Corporation  
16360 Monterey Road  
Suite 250  
Morgan Hill, CA 95037  
USA  
**408-779-9909**  
**408-779-5058 (fax)**  
**info@puzzle.com**  
**http://www.puzzle.com**

SoftNet NFS brings NFS server capabilities to PC-based Novell 3.x and 4.x servers as a NetWare Loadable Module (NLM). Once loaded, this product enables the host Novell server to be mounted and accessed as a standard NFS file server in both Token Ring or Ethernet environments. Simply put, SoftNet NFS allows SGI systems (with NFS running) to act as NFS clients to Novell servers. In addition to high performance file services, SoftNet NFS also provides bi-directional UNIX/Novell printer sharing.

**IMPORTANT:** SoftNet NFS can be used in conjunction UNIX-based PC and Macintosh software emulator products (i.e. Insignia Solution's "SoftPC", AnDATAco's "Liken", Quorum Software's "Equal", etc.) to provide Novell server access.

IRIX version compatibility: pre-5.x, 5.x, 6.x

---

## SoftNet Utilities

James Leslie  
President  
Puzzle Systems Corporation  
16360 Monterey Road  
Suite 250  
Morgan Hill, CA 95037  
USA  
**408-779-9909**  
**408-779-5058 (fax)**  
**info@puzzle.com**  
**http://www.puzzle.com**

SoftNet Utilities is an Ethernet-based NetWare server emulator for UNIX platforms. It provides three types of IPX-based services: 1) without inhibiting existing TCP/IP or other native capabilities, UNIX platforms can also emulate Novell 3.x and 4.x NetWare servers to PC clients, 2) DOS/Windows-based terminal emulation, and 3) bi-directional UNIX/Novell printer sharing. NetWare PC's load only one protocol (IPX) to access the UNIX platform's resources as a Novell client as well as conduct terminal sessions to the UNIX hosts; TCP/IP is not required at the PC. Administering SoftNet Utilities is performed using existing PC-based NetWare admin utilities (i.e. syscon, pconsole, etc.). SGI IRIX 4.0.5 and later are supported.

IRIX version compatibility: 5.x, 6.x

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## Spectrum Management Modules

Michael Pierce  
President  
Danasoft Incorporated  
7900 Sudley Road  
Suite 819  
Manassas, VA 22110-7905  
USA  
**703-257-4650**  
**703-257-4651 (fax)**  
**mpierce@danasoftware.com**  
**http://www.danasoft.com**

Various add-on modules to extend management with Cabletron's SPECTRUM product. Extensions include integration with Compaq, Shiva, US Robotics and other vendors.

IRIX version compatibility: 5.1, 5.2, 5.3, 5.x

# Networking & Connectivity

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## TANGO

Roman Markowski  
IS Manager  
Northeast Parallel  
Architectures Center  
Syracuse University  
111 College Place  
Syracuse, NY 13244-4100  
USA  
**315-443-3921**  
**315-443-1973 (fax)**  
**roman@npac.syr.edu**  
**http://www.npac.syr.edu**

TANGO is a Java/WWW-based collaborative system for distance education and remote collaboration. The system provides means for fast integration of Web and non-Web applications into one multi-user collaborative system.

IRIX version compatibility: 5.3, 6.2, 6.x

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## TGRAF™

Steve Parsons  
White Pine Software, Inc.  
40 Simon Street  
Nashua, NH 03060  
USA  
**603-886-9050**  
**603-886-9051 (fax)**  
**sparsons@wpine.com**

White Pine's family of TGRAF™ emulation software enables the user to run sophisticated Tektronix graphic applications on a number of platforms. Whether your desktop is running Microsoft Windows, Macintosh, DOS or X Window System, our TGRAF product line will access and run these applications on your UNIX or VMS host. TGRAF for DOS, Windows and Macintosh join the power of a Tektronix color graphics terminal with the ease of your current desktop, while TGRAF-X340 enables workstation users to retain all the capabilities of the original terminals, but with the flexibility of the X environment. Requirements (where applicable): DOS and Microsoft Windows 3.1 or higher; minimum of 386 PC.

IRIX version compatibility:

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## TRIVIEW Manager

James Wilcox  
Marketing  
Tactix ReEngineering, Inc.  
15800 SW Upper  
Boonesferry Rd.  
Suite 200  
Lake Oswego, OR 97035  
USA  
**503-684-4099**  
**503-624-0774 (fax)**  
**jcw@tactix.rain.com**  
**http://www.tactix.com/**

Tactix has developed a state of the art administration package to manage remote UNIX systems: TRIVIEW Manager. Standard features such as:

- Pro-Active Monitoring
- Action Routines
- Centralized Console
- Central Message Data Base
- Software and Data Upload & Download
- User Account Management
- Job Scheduling
- On Line Help

facilitate the complex tasks of managing a network of remote systems. Advanced Functions such as: 1) File Broadcast; 2) Wave Scheduling; 3) Alarm Management; 4) Distributed Performance Monitoring are available to tailor TRIVIEW Manager to meet every need.

IRIX version compatibility:

# Networking & Connectivity

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## TeamQuest Baseline®

Sales Department  
TeamQuest Corporation  
2410 3rd Avenue South  
Clear Lake, IA 50428  
USA  
**515-357-2700**  
**515-357-2778 (fax)**  
**info@teamquest.com**  
**http://www.teamquest.com**

TeamQuest Baseline for Open Systems is a performance analysis package that provides real-time monitoring, historic analysis, and trend analysis. TeamQuest Baseline gives you powerful capabilities that help administrators track system activity based on workgroups, pinpoint problem areas in hardware utilization, and identify opportunities for more efficient and effective use of resources.

IRIX version compatibility: 5.2, 5.3, 6.2

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## TeamQuest Baseline™

Sales Department  
TeamQuest Corporation  
2410 3rd Avenue South  
Clear Lake, IA 50428  
USA  
**515-357-2700**  
**515-357-2778 (fax)**  
**info@teamquest.com**  
**http://www.teamquest.com**

By monitoring, collecting, storing, and analyzing detailed performance data, TeamQuest Baseline™ provides system administrators and managers with the tools they need to quickly and easily make decisions regarding system configuration. TeamQuest Baseline provides powerful capabilities such as "workload analysis," which allows you to analyze performance in terms important to management. You can see CPU utilization by department, for example. "Per-process analysis," shows who was doing what when a performance problem occurred. "Correlation analysis" roots out the potential causes for a performance problem.

IRIX version compatibility:

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## TeamWorld

Dennis Gazik  
Senior Sales Executive  
Pericom Software, Inc.  
Golden Crest Corporate  
Center  
2271 State Highway 33  
Suite 106  
Hamilton Square, NJ 08690  
USA  
**609-588-5300**  
**609-588-8906 (fax)**  
**dennis@pericom-usa.com**  
**http://www.pericom-usa.com**

TeamWorld is a 100% Java Application enabling access of any host-based legacy application to be deployed on any desktop client supporting Java (Unix, PC, Mac, OS/2, NC, thin-client, Web, Internet, Intranet). TeamWorld supports terminal emulations including Dec, IBM, Tandem, HP, Tandem Wyse, Televideo, etc. through your favorite web browser.

IRIX version compatibility: 5.x, 6.x, Pre 5.x

# Networking & Connectivity

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## TeemX

Dennis Gazik  
Senior Sales Executive  
Pericom Software, Inc.  
Golden Crest Corporate  
Center  
2271 State Highway 33  
Suite 106  
Hamilton Square, NJ 08690  
USA  
**609-588-5300**  
**609-588-8906 (fax)**  
**dennis@pericom-usa.com**  
**<http://www.pericom-usa.com>**

TeemX is a single solution for desktop integration connecting your UNIX workstation or X terminal to a multitude of hosts that use different protocols. TeemX supports terminal emulation from DEC, IBM, HP, Tek, Tandem, Wyse and more in a comprehensive solution with advanced features like FTP, DDE, keyboard mapping, softbuttons, scripting and screen-scraping.

IRIX version compatibility: 5.x, 6.x, Pre 5.x

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## The Special Modular Terminal Server (MTS)

Nigel Tranter  
VP, Technical Services  
Specialix, Inc.  
745 Camden Avenue  
Campbell, CA 95008  
USA  
**408-378-7919**  
**408-378-0786 (fax)**  
**nigelt@specialix.com**  
**<http://www.specialix.com/specialix/>**

Modular Terminal Server (MTS) is a high performance, flexible and secure method for businesses to expand Ethernet-based TCP/IP networks. MTS allows terminals, printers and modems easy access to resources of a TCP/IP network. The modular design of MTS enables from 8 to 32 users to be linked to the network. Access to the TCP/IP ethernet network is made via either thin or thick ethernet. The MTA expansion modules are the same ones that are used for the XIO intelligent I/O controllers. Device Driver software is provided for IRIX 5.2 and IRIX 5.3.

IRIX version compatibility: 5.2, 5.3, 6.2, 6.4, 6.x

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## TransferPro™

Ingrid Morris  
Office Manager  
Digital Instrumentation  
Technology, Inc.  
127 Eastgate Drive  
Suite 20500  
Los Alamos, NM 87544  
USA  
**505-662-1459**  
**505-662-0897 (fax)**  
**ingrid@dit.com**  
**<http://www.dit.com/>**

TransferPro for Silicon Graphics® lets users share information with Macs and PCs using convenient personal computer media. TransferPro reads and writes both Macintosh® and MS-DOS® files on either the built-in diskette drive or standard external devices including Bernoulli® and SyQuest cartridge drives and external SCSI diskette and hard disk drives. TransferPro uses a graphical user interface for ease of use. Character filtering capability means transferred data is usable without tedious hand-editing. It can be used with hard disk drives up to 4GB and magneto optical drives with the ease of point and click transfers. IRIX version compatibility.

IRIX version compatibility: 5.2, 5.3, 5.x, 6.0, 6.1, 6.2, 6.x

# Networking & Connectivity

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## UNISOL® BART™

Laurie Craig  
Marketing Director  
UniSolutions Associates  
33586 Via Lagos  
Dana Point, CA 92629  
USA  
**714-488-3960**  
**714-443-5354 (fax)**  
**craig@unisol.com**  
**http://www.unisol.com**

BART™ is an unattended network backup system, which includes archive, restore and tape management functions. BART allows for easy scheduling of filesystem backups for the entire network, keeps track of backup tapes, and allows user to schedule file restores using the on-line tape database.

\* Tapes are tracked by the tape library management database, which contains the exact contents of the tape, enforces tape expiration dates and allows tapes to contain scheduling and expiration information.

\* Files to be restored are selected with a tool that displays all versions of a particular file, and, files selected for restoration can be placed in a staging area specified by the user or in their original location. Restores specified by the user are queued for later execution. If the tapes are currently online (e.g. the tapes are in a supported jukebox device) the restores will be done automatically without any operator intervention.

IRIX version compatibility: "5.3, 6.2", 5.3, 6.x

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## UNISOL® SysAdmin™

Laurie Craig  
Marketing Director  
UniSolutions Associates  
33586 Via Lagos  
Dana Point, CA 92629  
USA  
**714-488-3960**  
**714-443-5354 (fax)**  
**craig@unisol.com**  
**http://www.unisol.com**

SysAdmin™ is an integrated system management package for UNIX® systems and networks. SysAdmin™ provides access to system administration functions through a secure graphical user interface for X-Windows displays (OSF/Motif, and Open Look), or ASCII terminals (curses). SysAdmin functions can also be invoked directly from the command line or scheduled to run automatically.

Functions include: Account maintenance; Backup/restore/archive; Filesystem maintenance; Network administration; Performance monitoring; Printer management; Remote software & account maintenance; Security monitoring/control; Tape library management.

IRIX version compatibility: "5.3, 6.2", 5.3, 6.x

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## UconX Standard Protocols

Sales Department  
UconX Corporation  
4669 Murphy Canyon Rd.  
San Diego, CA 92123  
USA  
**619-627-1700**  
**619-627-1710 (fax)**

All UconX software products support multiple serial lines and are completely configurable. You can run any combination of protocols simultaneously on the same server or communication controller. Standard Protocols include: X.25, Frame Relay, HDLC LAPB, HDLC NRM, DDCMP, SDLC, ADCCP, MarketFeed 2000, Telekurs Data Feed Receiver, and Synchronous Bit Stream Interface.

IRIX version compatibility:

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## UniQBatch™

Tony McGrath  
Sales & Mktg Director  
Macro 4 Open Systems Ltd.  
Unit 19, Grove Park  
Waltham Road, White  
Waltham  
Maidenhead, BERKSL6  
3LW SL6 3LW  
UK  
**44-1628-829911**  
**44-1628-829670 (fax)**  
**100336,1333@compuserve**  
**.com**

UniQBatch™ is a fully specified batch environment for UNIX computers, providing facilities normally only found on mainframe computers.

A queue of executables (jobs) may be grouped as batches to form tasks which are served by an unlimited number of streams allocated to applications.

The progress of jobs can be monitored and controlled while pending and as they are executed.

Features

- Easy to use, yet sophisticated access method via Windows menus, command like, API's
- Virtual Operator Console for unattended "Lights Out" Operations
- Flexible control of processing via configurable calendar based job scheduling menus.

IRIX version compatibility:

# Networking & Connectivity

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## UniQPager™

Tony McGrath  
Sales & Mktg Director  
Macro 4 Open Systems Ltd.  
Unit 19, Grove Park  
Waltham Road, White  
Waltham  
Maidenhead, BERKSL6  
3LW SL6 3LW  
UK  
**44-1628-829911**  
**44-1628-829670 (fax)**  
**100336,1333@compuserve**  
**.com**

UniQPager™ is an automatic radio pager message sending package. It uses an auto dial modem to access the radio paging service directly, thus eliminating any voice contact and any errors this may cause.

Its overall purpose is to provide an easier, cheaper, and more efficient environment for sending and recording pager messages.

UniQPager controls all your pager messages, allowing any authorized user with access to a computer terminal to send pager messages without leaving their desk.

Once a message is submitted, UniQPager will deal with engaged lines or unresponsive calls, automatically retrying at approved intervals.

IRIX version compatibility:

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## UniShield™

K.C. Garrigan  
Mgr., Strategic Accounts  
Network Information  
Technology  
12930 Saratoga Avenue  
Saratoga, CA 95070  
USA  
**408-996-1688**  
**408-996-1898 (fax)**  
**kc@nit.com**  
**http://www.nit.com/**

UniShield provides centralized administration of security policies UNIX client/server environments. Enhanced password management includes aging, directory and qualification checks, and password generation. Access Control enforces access paths and hours restrictions, concurrent sessions, limits invalid attempts, enable/disable groups or individual users, idle screen autolock and auto logout. Network monitoring allows real time audit trail of activities with intrusion alarms, and keystroke log. UniShield integrates one time passwords, encryption, and firewall technologies from other vendors. GUI and command line management interfaces.

IRIX version compatibility: 5.3, 6.x

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## Universal Frame Relay/PPP™

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**http://www.adax.com/**

Adax's Universal Frame Relay/PPP™ is a WAN/LAN server software package designed for use with Adax APC Boards. OEMs, systems integrators and end users can incorporate this package into applications running TCP/IP and OSI as a higher layer protocol. TCP/IP and OSI handle all protocol functions for ISO model levels 1 and 2. Companion Adax hardware is available off-the-shelf for EISA bus (Challenge M) and VMEbus (Challenge L).

Adax's Frame Relay/PPP has optional features for encapsulation for higher layer protocols and security/encryption via host resident software modules. The Adax hardware/software package can replace conventional stand-alone routers at a lower cost while offering higher throughput and lower latency.

IRIX version compatibility:

# Networking & Connectivity

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## Universal Memory Network ®

Gary Vandeman  
UMN Product Manager  
Computer Sciences  
Corporation  
2815 Airpark Drive  
Santa Maria, CA 93455-  
1417  
USA  
**805-739-1500**  
**805-739-1560 (fax)**  
[gvandema@smx.csc.com](mailto:gvandema@smx.csc.com)

The Universal Memory Network(UMN) ® provides multiple processors (or other data sources) with direct access to shared information via a global shared memory partition. Applications access UMN memory in the same manner as other shared memory partitions. This is an ideal mechanism for the transfer of large amounts of data with low latency. Data sharing is done between heterogeneous host processors with a user bandwidth of 40 Mbytes/s, with no protocol overhead. Data latency is well under 5 microseconds. Numerous buses and Operating Systems are supported.

IRIX version compatibility: 5.2, 5.3, Pre 5.x

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## VAXFC

Karen Newcomb  
Information Analyst  
COSMIC  
382 East Broad Street  
Athens, GA 30602  
USA  
**706-542-3265**  
**706-542-4807 (fax)**  
[service@cosmic.uga.edu](mailto:service@cosmic.uga.edu)  
<http://www.cosmic.uga.edu/pub/SGL.html>

VAXFC - VAX Floating Point to host floating point conversion software. Many users need to transport unformatted floating point (4 bytes per sample) data files written by a VAX to a machine running UNIX. This computer, if not a VAX, may have a different convention for interpreting unformatted floating point data values. VAXFC converts these non-ASCII files to the unformatted floating point representation of the UNIX machine. Written in C-language for use on UNIX systems. PROGRAM NUMBER: NPO-19464

IRIX version compatibility: Pre 5.x

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## VIPAS

Arno Steitz  
Science & Computing  
GmbH  
Hagellocher Weg 71  
Tubingen, D-72070  
Germany  
**49-0-7071-945700**  
**49-0-7071-945727 (fax)**  
[info@science-computing.uni-tuebingen.de](mailto:info@science-computing.uni-tuebingen.de)  
<http://www.science-computing.uni-tuebingen.de/>

VIPAS - Standar UNIX provides user-based process accounting of system resources such as CPU time, memory usage, amount of I/O operations etc. for one host only. VIPAS extends these mechanisms to a cluster of heterogeneous UNIX workstations and servers by central integration of all resource information including disk space and usage of inter-active programs in a platform independent database.

VIPAS provides an easy-to-use graphical user interface for detailed analysis of the accounting data.

By enhancing the UNIX group concept VIPAS also allows for project-based accounting delivering optimal cost transparency across the network.

IRIX version compatibility:



# Networking & Connectivity

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## VIVID EISA NIC for IRIX

John Carosella  
VP, Bus. Dev. - VIVID  
Newbridge Networks Inc.  
593 Herndon Parkway  
Herndon, VA 22070-5241  
USA  
**703-834-3600**  
**703-471-7080 (fax)**  
**john\_carosell@newbridge.com**  
**http://www.newbrise.com**

The VIVID EISA Network Interface Card (NIC), complete with a driver for IRIX 5.3 provides connectivity for an Indigo2 workstation to a VIVID ATM network. Once connected to the ATM network, the user will have very high speed access to all network services and applications, as well as to Ethernet connected workstations through other VIVID elements. Ideal for high volume image transfers, digital video applications and data communications. The driver supports both an emulated LAN interface supporting existing IP based applications which take advantage of the performance and quality of service attributes that an ATM network offers.

The VIVID product line also includes an ATM switch, Ethernet to ATM switch, and a range of host interface cards for SBus, EISA, GIO-32 and PCI based platforms.

IRIX version compatibility:

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## VIVID GIO-32 NIC for IRIX

John Carosella  
VP, Bus. Dev. - VIVID  
Newbridge Networks Inc.  
593 Herndon Parkway  
Herndon, VA 22070-5241  
USA  
**703-834-3600**  
**703-471-7080 (fax)**  
**john\_carosell@newbridge.com**  
**http://www.newbrise.com**

The VIVID GIO-32 Network Interface Card (NIC) provides connectivity for an Indy workstation to a VIVID ATM network. Once connected to the ATM network, the user will have very high speed access to all network services and applications, as well as to Ethernet connected workstations through other VIVID elements. Ideal for high volume image transfers, digital video applications and high speed data communications. The driver supports both an emulated LAN interface supporting existing IP based applications, and a native application programming interface for the development of new ATM based applications which take advantage of the performance and quality of service attributes that an ATM network offers.

The VIVID product line also includes an ATM switch, Ethernet to ATM switch, and a range of host interface cards for SBus, EISA, GIO-32 and PCI based platforms.

IRIX version compatibility:

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## VME-MACH4-DMA

Channing Lai  
Real-time Services Mgr.  
General Standards  
Corporation  
8302A Whitesburg Drive  
Huntsville, AL 35802  
USA  
**205-880-8787**  
**205-880-8788 (fax)**  
**gsc@traveller.com**

General Standards Corporation announces the newest addition to its very high speed MACH4-DMA series, the HPDI board. The high speed parallel data interface board allows the Onyx, Challenge and Power Challenge to receive external data from any device or computer at 55 megabytes per second. The board is for any application requiring real-time acquisition such as digital video, telemetry/satellite feeds, radar data or computer to computer interfacing. A software driver for the board is available from SGI.

IRIX version compatibility:

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## VMEHSD™

William Helmke  
Manager of Sales  
Applied Data Sciences, Inc.  
2270 Springlake Road  
Suite 300  
Dallas, TX 75234  
USA  
**214-243-0113**  
**214-243-0217 (fax)**

VMEHSD™ is a high speed data link between VME and HSDs or HSD devices. Currently, there are over 50 VMEHSDs working in the field on SGI machines (specifically Challenge and Onyx models). The VMEHSD is an intelligent interface with an onboard processor and data processor and data buffering, making it easy for application programmers to use. It comes with a driver for IRIX 5.2 or 5.3. The VMEHSD emulated the following Encore HSD modes: HSD normal device mode, IBL mode, External mode, and Device emulation mode (optional). It has a built-in self-test for memory and data paths, with tests and diagnostic software available.

IRIX version compatibility: 5.x

# Networking & Connectivity

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## VR-Link™

Benjamin Lubetsky  
Director of Marketing  
MAK Technologies, Inc.  
185 Alewife Brook Parkway  
Cambridge, MA 02138  
USA  
**617-876-8085**  
**617-876-9208 (fax)**  
**vrlink-info@mak.com**  
**<http://www.mak.com/>**

VR-Link™ 2.4.0 a C++ and Ada application programmers' toolkit which enables networking of distributed simulations and virtual reality systems across all Silicon Graphics platforms. The toolkit is compliant with the Department of Defense's Distributed Interactive Simulation (DIS) Protocol, enabling multiple participants to interact in real-time via low bandwidth network connections. VR-Link is designed for easy integration with existing and new simulations, VR Systems and games. A Stealth Observation Vehicle offered with VR-Link uses Performer to provide a view of the virtual environment. A VR-Link Data Logger records and plays back DIS messages, allowing users to replay previous exercises.

IRIX version compatibility: 5.2, 5.3, 6.x

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## X.25 for IRIX-CCITT X.25 Streams Software

Sales Department  
Adax, Inc.  
614 Bancroft Way  
Berkeley, CA 94710  
USA  
**510-548-7048**  
**510-548-5526 (fax)**  
**sales@adax.com**  
**<http://www.adax.com/>**

X.25 for IRIX is a Streams implementation of the 1984 CCITT Standard X.25, that provides IRIX/UNIX host access to public and private X.25 packet-switched networks. The X-pad utility provides a full X.3/X.28/X.29 implementation. Other utilities provide for remote login, remote mail, and fast remote file transfer. X.25 for IRIX is designed to work with Adax high-performance APC Advanced Protocol Controller Series. Adax X.25 optional software extensions support Wide-Area TCP/IP, OSI, RFS, and uucp, individually or in combination.

IRIX version compatibility:

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## eXceed 4 for Windows NT

Cathy Lefebvre  
Marketing Coordinator  
Hummingbird  
Communications Ltd.  
1 Sparks Avenue  
North York, ON M2H 2W1  
Canada  
**416-496-2200**  
**416-496-2207 (fax)**  
**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXceed 4 for Windows NT - a high performance 32-bit PC X software solution for the Windows NT operating system, available for Intel, MIPS, and Alpha platforms. eXceed 4 for Windows NT provides a high degree of integration between Windows NT and X Window System hosts (such as UNIX and VMS), offering end users concurrent access to X Window clients and applications for Windows NT. eXceed 4 for Windows NT fully supports X11R6 and is the first Windows NT based PC X server to include a scripting language (eXceed Basic) and dial-up capability for remote access to UNIX and X based applications over telephone lines. Also included with eXceed 4 for Windows NT is Hummingbird's innovative Remote configuration administrator (Rconfig), which enables network administrators to automatically configure and install eXceed X server software on multiple PC desktops, eXceed 4 for Windows NT integrates the feature set from eXceed 4 for Windows, the industry's most widely installed and successful PC X server software.

IRIX version compatibility:

# Networking & Connectivity

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## eXceed 4 for Windows™

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Hummingbird  
Communications Ltd.  
1 Sparks Avenue  
North York, ON M2H 2W1  
Canada  
**416-496-2200**  
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**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXceed 4 for Windows™ - Hummingbird eXceed 4 for Microsoft Windows is a PC-X Window integration software suite that allows PCs running Microsoft Windows to display and utilize X-Window applications running on host computers, such as UNIX and VMS, completely integrating the UNIX and Windows environments. eXceed 4 for windows includes both dial-up access to X hosts over telephone lines, and VxD-based TCP/IP network software. Windows and X-Window applications run concurrently on the PC screen, with capability to copy and paste text and graphics between environments. Among many features offered by eXceed 4 are: high performance, 32-bit implementation; X11R6 compatibility, one-step installation/configuration; powerful network administration features; and Hummingbirds unique X Development Kit, to develop and run X clients locally, on the PC. eXceed 4 also includes support for 22 TCP/IP transports, DECnet, NetWare IPX/SPX, and all transports complying with Windows Sockets API.

IRIX version compatibility:

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## eXceed/DOS™

Sales Department  
Hummingbird  
Communications Ltd.  
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North York, ON M2H 2W1  
Canada  
**416-496-2200**  
**416-496-2207 (fax)**  
**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXceed/DOS™ - a real or protected mode X Window server for DOS-based PCs. Up to 32 X Window client applications can be displayed in separate windows on the screen. eXceed/DOS supports a full implementation of the X Window System server and provides the dual functionality of operating in either real mode (for 286 PCs) or protected mode (for 386, 486, and Pentium-based machines). Fonts can be locally viewed in the true graphic rendition and can be built automatically based on last update dates. The package supports all popular graphic card standards and chipsets. Supports up to 256 colors per color map and resolutions up to 1280 x 1024. "Escape to DOS" feature lets users switch between DOS and the server without restarting clients. 17 international keyboard mappings are provided. Includes a user friendly interactive utility for configuring the server's input, communication, video, color, and general settings. eXceed/DOS is based on the latest MIT release of X Windows, version X11R5. Includes Xtrace, a sophisticated protocol tracer to help with client debugging, and hwm, the local Motif-like window manager. Supports 22 different TCP/IP transports, plus DECnet and NetWare IPX/SPX.

IRIX version compatibility:

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## eXceed/OS2™

Sales Department  
Hummingbird  
Communications Ltd.  
1 Sparks Avenue  
North York, ON M2H 2W1  
Canada  
**416-496-2200**  
**416-496-2207 (fax)**  
**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXceed/OS2™ - this PC X Window connectivity software for the IBM OS/2 platform allows users to connect to, and display, applications from X Window System hosts from their familiar OS/2 environment. As a high performance 32-bit X server, eXceed/OS2 takes full advantage of the multi-tasking and performance capabilities of the OS/2 operating system. Also providing interchangeable copy and paste, eXceed/OS2 allows users to transfer data between X hosts (such as UNIX and VMS) and DOS, Microsoft Windows, and OS/2 applications. The PC X server features the bundled X Development Kit for local X client development, single and multiple window modes, host-based or local window managers, simultaneous backing store and save unders, point & click start-up of X applications, complete support for X Window System Release 5, plus five different start-up methods.

IRIX version compatibility:

# Networking & Connectivity

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## eXceed/Xpress™

Sales Department  
Hummingbird  
Communications Ltd.  
1 Sparks Avenue  
North York, ON M2H 2W1  
Canada  
**416-496-2200**  
**416-496-2207 (fax)**  
**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXceed/Xpress™ - this 32-bit PC X server allows PC, laptop, and notebook users to remotely access X Window System applications and hosts (UNIX, VMS, etc.) over standard telephone lines, using a modem, or directly via RS-232C serial connection. eXceed/Xpress is ideal for those working from home or in the field. As a high performance product designed specifically to manage the increased bandwidth requirements of remote connections to X Window System networks and hosts, eXceed/Xpress offers outstanding interactive text and graphics performance. This X server utilizes data compression/decompression procedures, providing serial communication far surpassing that of traditional methods, such as SLIP and PPP. eXceed/Xpress is included with eXceed 4 for Windows, or may be purchased separately for the Windows environment. eXceed/Xpress is also available for Windows NT and OS/2 based PCs. eXceed/Xpress includes Hummingbird's X Development Kit for local X application development. Hummingbird's Xpress Host software, supplied in binary format for various host systems, is required.

IRIX version compatibility:

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## eXodus™

Steve Roche  
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White Pine Software, Inc.  
40 Simon Street  
Nashua, NH 03060  
USA  
**603-886-9050**  
**603-886-9051 (fax)**  
**sroche@wpine.com**

eXodus™ is White Pine Software's family of X Window connectivity products for Microsoft Windows, Macintosh and DOS platforms. eXodus offers price, performance and flexibility to companies with different types of desktop computers that need to communicate using the X environment. eXodus will connect endusers with X environments like HP VUE, OpenWindows and DECwindows/Motif in order to access applications running on the host.

eXodus is also available in a serial-only version (eXodus eXpress), and with a comprehensive suite of connectivity tools (eXodus PLUS), including NFS, Masaic, TN3270 and FTP clients. All versions of eXodus include both VT320 terminal emulation and eXpress high-speed serial support.

IRIX version compatibility:

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## eXtend™

Sales Department  
Hummingbird  
Communications Ltd.  
1 Sparks Avenue  
North York, ON M2H 2W1  
Canada  
**416-496-2200**  
**416-496-2207 (fax)**  
**sales@hummingbird.com**  
**<http://www.hummingbird.com>**

eXtend™ - is a suite of X clients which resides on a UNIX-based host. eXtend allows PC users running any of the eXceed family of X servers to access the DOS file system, printers and program execution facilities without leaving X. PCs using any of the eXceed family of X servers are able to access the DOS shell while the server is running.

IRIX version compatibility:

# Networking & Connectivity

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## scsiComm Server™

Steve Britsky  
Sales Representative  
Central Data Corporation  
1602 Newton Drive  
Champaign, IL 61821  
USA  
**217-359-8010**  
**217-359-6904 (fax)**  
**info@cd.com**  
**http://www.cd.com/**

Central Data's scsiComm Server™ provides flexible, cost-effective, enterprise-wide I/O expansion for IRIX-based workstations. Its desktop or rack-mountable cabinet can contain up to four scsiServer modules, enabling you to customize your scsiComm Server with the specific I/O mix you need. The scsiComm Server can control up to hundreds of serial and parallel ports, from a few feet to 1,500 ft. from your IRIX host. The scsiComm Server connects to the SCSI port, without requiring any internal system card slots. It's the ideal solution for connecting large numbers of modems, printers, or terminals.

IRIX version compatibility: 5.3, 6.2, 6.x

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## scsiModem Servers™

Steve Britsky  
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Central Data Corporation  
1602 Newton Drive  
Champaign, IL 61821  
USA  
**217-359-8010**  
**217-359-6904 (fax)**  
**info@cd.com**  
**http://www.cd.com/**

Central Data's scsiModem Servers™ hold up to 8 or 16 PCMCIA modems in a single cabinet with a built-in power supply. Both 14.4 and 28.8 PCMCIA modems are supported. The units connect to the standard SCSI bus, saving internal card slots in the SGI host machine. The scsiModem Server eliminates the cabling mess associated with conventional modem pools.

IRIX version compatibility: 5.3, 6.2, 6.x

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## scsiTerminal Servers™

Steve Britsky  
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Central Data Corporation  
1602 Newton Drive  
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USA  
**217-359-8010**  
**217-359-6904 (fax)**  
**info@cd.com**  
**http://www.cd.com/**

Central Data's scsiTerminal Servers™ provide high-performance serial and parallel ports for IRIX-based workstations. They connect to the SCSI port and can be added without even opening the system cabinet since no internal card slots are required. Several models are available ranging from a unit with 2 serial ports and a parallel port to a 16 serial port unit. Baud rates up to 115K are supported. scsiTerminal Servers™ share the SCSI bus with other scsiTerminal Server™ models or other SCSI peripherals, providing extremely flexible I/O expansion options. scsiTerminal Server™ ports are ideal for connecting modems, printers and terminals.

IRIX version compatibility: 5.3, 6.2, 6.x

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## suGUARD™

Tony MacDonald  
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DataLynx, Inc.  
6633 Convoy Court  
San Diego, CA 92111  
USA  
**619-560-8112**  
**619-260-8114 (fax)**  
**datalynx@netcom.com**

suGUARD is a security package that allows the system manager create a sophisticated hierarchical management structure for both systems and application software. The suGUARD system works by defining a profile which specifies the requirements (UID, GID, security level, access location, time-of-day, etc.) needed to run any program or script, without the user needing to know sensitive passwords. suGUARD validates and logs all command access attempts, alerts the system manager about unauthorized usage, and creates various utilization reports. The suGUARD package can work in a standalone environment, or in conjunction with GUARDIAN, Datalynx' access control software.

IRIX version compatibility: 5.36.x

# Networking & Connectivity