

Applications

Silicon Graphics Products

5080 Emulator Software

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IRIS 5080 Terminal Emulator software provides 5080 and 3270 emulation and file transfer software for each user to be connected, over Ethernet, to an IRIS Channel Adapter Workstation. Emulating an IBM 5085 Model 2A graphics terminal, the software provides IRIS 4D™ users access to CAD/CAM applications (such as CADAM® and CATIA®) running on the IBM mainframe.

IRIX version compatibility:

Developer Magic™ Pro MPF

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Developer Magic™ Pro MPF is an optional ProDev™ module. It requires ProDev Workshop and Power Fortran. It provides an interactive, visual interface to the results of Power Fortran's program parallelization, showing exactly how the code has been modified, which parts have been parallelized, which have not, and why they have not been parallelized. It allows developers to easily force parallelization where appropriate. It is integrated with the Workshop Debugger and Performance Analyzer, allowing the user to identify and concentrate on expensive functions.

IRIX version compatibility:

Digital Media Development Option

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The Digital Media Development Option is a set of C API's for media application development on the Silicon Graphics platform, with support for media such as audio, video, movies and images. The option includes the Audio, Audio File, MIDI, CD/DAT Audio, Compression, Movie and Video Libraries. The new Video Library supports the following video hardware options: VINO (built in video on Indy), Galileo, Indigo(2)Video, IndyVideo and Sirius options products. This option includes header files for each library and sample application code. This product is now included in the IRIS Development Option.

IRIX version compatibility:

IRIS® Channel Adapter

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IRIS® Channel Adapter is a hardware/software product to connect challenge L/XL systems to an IBM Block Multiplex Channel. With this connection, the SGI system can use available 5080 emulation, 3270 emulation and high speed file transfer applications.

IRIX version compatibility:

Silicon Graphics Products

IRIS® Development Option

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IRIS® Development Option (IDO) is a bundled package for basic program development on the IRIX™ Operating System. IDO includes an ANSI certified C compiler, libraries for X11, Motif, Open GL, Digital 21 media libraries, Software Packager, the SGI Style Guide, as well as performance, linking and other tools. IDO is a required component for any other Silicon Graphics provided programming language.

IRIX version compatibility:

IRIS® Fortran 77

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The Silicon Graphics implementation of Fortran 77 is ANSI certified, and contains extensions to provide compatibility with VMS Fortran to the maximum extent possible. Additional functionality, such as pointers and datepools, are also provided.

IRIX version compatibility:

IRIS® Impressario™

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IRIS® Impressario™ is a total printing solution for the Silicon Graphics® environment providing high-performance PostScript® image rendering (RIP) and enhanced printing productivity in a network environment. IRIS Impressario is composed of two parts: Impressario Server, which resides on the server supporting the printer; and Impressario Client, which provides a complete, graphical, end-user printing environment for the network client workstations.

The Impressario developer's kit includes all Impressario server products plus sample source code, implementation examples, and documentation. The kit enables vendors to create software that interfaces with the Impressario printing environment, or to provide support for a particular I/O device.

IRIX version compatibility:

IRIS® Performer™

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IRIS® Performer™ is a toolkit for developers of visual simulation, interactive entertainment, simulation-based design, and other 3-D graphics applications that demand optimum real-time graphics performance. It manages visual databases and renders scenes at maximum speed on all Silicon Graphics platforms.

IRIX version compatibility:

Silicon Graphics Products

IRIS® Token Ring

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The IRIS® Token Ring products allow SGI systems to connect to Token Ring networks. Token Ring cards are available for the challenge L/XL, Power Challenge L/SL, Indigo2, Indigo R4000, INDY, and Challenge S systems. All support both 4 Mbit/sec and 16 Mbit/sec. rings.

IRIX version compatibility:

IRIS® Transport™

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IRIS® Transport™ is an implementation of the transport layer (Layer 4) or the OSI stack. It operates over LAN (LLC2) or WAN (X.25) connections. The product is accessed programmatically through TLI.

IRIX version compatibility:

Open Inventor™

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Open Inventor™ is an object-oriented 3-D toolkit that dramatically simplifies 3-D graphics programming. With the ease and modularity of a toolkit, Open Inventor puts the functionality of Open GL at your fingertips, utilizing the test programming knowledge at Silicon Graphics to produce peak rendering performance. The rich inventor set of preprogrammed building blocks defines a full-featured, extensible framework upon which entire applications can be developed. It includes a wide variety of geometry, property and group objects, as well as manipulators for user interaction, high-level viewers, and editor components. Inventor also establishes a file format standard for 3-D data exchange.

IRIX version compatibility:

REACT/pro™

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The REACT/pro™ frame scheduler offers efficient, flexible kernel-level support for periodic scheduling of processes as required by real-time simulation applications. When enabled, the frame scheduler replaces the UNIX time-sharing scheduler. For more information, please visit our site at <http://www.sgi.com/real-time>.

IRIX version compatibility:

Silicon Graphics Products

Synchronous Serial Communications Hardware

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Three synchronous serial communications cards are available: VME Sync Comms Card for Challenge L/XL, ISA Sync. Comms Card for Indigo2, and G10 Sync Comms Card for INDY and Challenge S. All feature speeds up to 64 k bits/sec with higher speeds available in future software releases, multiple independent electrical interfaces (RS232, V.35, X.21). Presently, X.25/HDLC SNA/SDLC and PPP higher level protocols are supported.

IRIX version compatibility:

Silicon Graphics Products

