eicon
technology
corporation

WANIC drivers included in Windows NT v4.0 & Connections for Windows NT V4R1

WANIC drivers

■ Software Features

- IP/IPX Routing
  - LAN interconnection over Frame Relay, PPP or X.25 connections using leased and dial-up lines, including ISDN
  - Interoperates with backbone routers including Cisco, Bay Networks and 3Com
  - Compliance: RFC 1293, RFC 1332, RFC 1356, RFC 1490, RFC 1552, RFC 1661 and RFC 1717
  - SNMP-based, network management agent
  - Real-time tracing utilities
  - Dial on demand for Frame Relay, PPP, ISDN and X.25
  - Dial backup
  - Advanced IP filtering for basic firewall capabilities
  - 2:1 software-based data compression*
  - Supports up to 32 simultaneous connections
  - Supports datagrams and broadcast datagrams
    *Ratio varies depending on data transmitted (ranges from 1.2:1 to 8:1)
- ISDN Support
  - North America: NI-1 and AT&T Custom (5ESS)
  - Europe: Euro-ISDN
  - Australia: TPH1962
  - Japan: INS-64
  - Circuit and packet switching modes
  - X.25 on both B and D-channels
- X.25 Support
  - CCITT/ITU X.25, X.32 and X.121 (1984 and 1988)
  - Support X.32 for Transpac (France) and X.32E for Ericsson ERIPAX
  - Up to 254 virtual circuits per card
  - PVC and SVC support
  - Management of outgoing and incoming calls and all X.25 facilities
  - Operates in terminal mode (DTE) and host mode (DCE)
  - ICTR-2 certification
- Frame Relay Support
  - 254 DLCI per card
  - Support both LMI 1.0 (Local Management Interface) and T1.617 Annex D Link Management
  - Congestion control (FECN & BECN)
  - Discard eligibility support
  - RFC 1315: Frame Relay MIB
  - RFC 1490: multiprotocol encapsulation and segmentation
- PPP Support
  - RFC 1334: PAP (PPP Authentication Protocol) and CHAP (Challenge Authentication Protocol)
  - RFC 1618: PPP over ISDN
  - RFC 1661: PPP
  - RFC 1717: Multilink PPP

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– PPP Internet Protocol Control Protocol
- X.3 PAD Support
  – Full CCITT/ITU X.3, X.28 and X.29 (1988) PAD support
  – Windows NT serial driver
  – 7 pre-defined PAD profiles
  – Configurable profiles
  – Incoming/Outgoing connection type
  – Optimization for RAS
  – 254 port support
- SNA Server Support
  – SDLC Link Service
    – multidrop support
    – leased and dial-up line
    – automatic dial-up access
  – X.25/QLLC Link Service
    – see X.25 Support highlights
  – SNA over Frame Relay
- General
  – Internet access for corporate users over Frame Relay, PPP, ISDN and X.25 and for mobile users over X.25
  – Easy-to-use install and config utilities
  – Automatic hardware detection
  – Telnet access to X.3PAD for LAN users (LANPAD)
  – Installable via Systems Management Server
  – x86, Pentium, Alpha, PowerPC, MIPS support

■ Technical Requirements
- WAN Adapter Requirements
  – The following WAN adapters are supported:
    – EiconCard C21
    – EiconCard S51
    – EiconCard/PC
    – EiconCard/HSI
    – EiconCard DPNA, MPNA
- Software Requirements
  – Eicon's WANIC drivers ship with the following Microsoft products:
    – Windows NT Server
    – Windows NT Workstation
- System Requirements
  – Microsoft-approved PC (486 or higher)
  – 16 MB RAM minimum
  – 100 MB hard disk

■ Packaging Contents
- Eicon's WANIC drivers are included in Microsoft Windows NT v4.0 and include:
  – IP/IPX routing
  – X.3PAD support
  – SNA Server support
  – SNMP agent

Connections for Windows NT

■ Software Features
- WANIC Workgroup Support
  – Client/server sharing software called ECLAN Server and ECLAN Client
  – Allows sharing of WAN card resources over the LAN
  – Supports IP, IPX, NetBEUI clients
  – Unlimited number of concurrent LAN sessions
  – Supports vast installed based of Eicon WAN applications
  – Runs unmodified on a LAN workstation or on a communication server
  – Client software compatible with X.25 toolkit from Eicon (included)
- SNMP-based network management console

■ Technical Requirements
- WAN Adapter Requirements
  – The following WAN adapters are supported:
    – EiconCard C20, C21
    – EiconCard S50, S51, S52
    – EiconCard S94
    – EiconCard/PC
    – EiconCard/HSI
    – EiconCard DPNA, MPNA
- Software Requirements
  – Connections for Windows NT requires one or more of these Microsoft products:
    – Windows NT Server
    – Windows NT Workstation
- System Requirements
  – Microsoft-approved PC (486 or higher)
  – 16 MB RAM minimum
  – 100 MB hard disk

■ Packaging Contents
  – Connections for Windows NT CD

■ Hardware Features (both)

- WAN protocol processing is carried out by intelligent EiconCards rather than the server

- For internetworking, compression (up to 4:1) is done on the EiconCard, reducing server overhead

Ordering Information

Product Name	Product Code
WANIC drivers	Ship as part of Windows NT v4.0
Connections for Windows NT V4R1	315-195-01

Related items for Eicon's WANIC drivers contained in Windows NT v4.0	
EiconCard C21 with ISDN S/T cable	310-118
EiconCard C21 with ISDN NT1 unit (NA only)	310-158
EiconCard S51 with ISDN S/T cable	310-151
EiconCard S51 with ISDN NT1 unit (NA only)	310-160
EiconCard/PC	310-053
EiconCard HSI/PC	310-052
EiconCard DPNA/PC	310-077
EiconCard MPNA/PC	310-078

Related items for Connections for Windows NT	
EiconCard C20	310-198
EiconCard C21 with ISDN S/T cable	310-118
EiconCard C21 with ISDN NT1 unit (NA only)	310-158
EiconCard S50	310-138
EiconCard S51 with ISDN S/T cable	310-151
EiconCard S51 with ISDN NT1 unit (NA only)	310-160
EiconCard S52	310-200
EiconCard S94	310-208
EiconCard/PC	310-053
EiconCard HSI/PC	310-052
EiconCard DPNA/PC	310-077
EiconCard MPNA/PC	310-078

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