DMXNet

DMXNet is a high-performance network interface card for the Datamax I-Class, A-Class, and W-Class Printer families.

Driven by a powerful 32-bit RISC NET+ARM processor, the DMXNet card is easily installed and configured within seconds from the front panel or remotely via any standard Web browser to bring new levels of product maintenance and support through enhanced monitoring and control.

The DMXNet card supports basic IPX (Novell) and IP protocols over various Ethernet frame types. All protocols may be enabled and are supported concurrently. Multiple management connections, including network services APIs where provided, may be active at the same time.

NetWare is operable in Network Directory Services (NDS, NetWare 4.x) and in Novell bindery (2.x, 3.x) or bindery emulation modes. IPX/SPX is used to support printer status requests so that the NIC is compatible with both Novell Pconsole and Net Admin utilities. The NIC includes an SNMP agent operating over IPX.

The NIC includes an SNMP V1 agent and implements the RFC1213 groups of MIB II as well as Host Resource MIB, the Printer MIB, and a DMX Enterprise Private MIB. The NIC MIB and Private MIB provide access to essentially the same NIC setup and Printer setup parameters as the web pages. The NIC supports one basic trap destination IP address for general trap messages. Current traps include general printer fault, head up (W-Class only), paper out, and ribbon out.

Visit us on the web at www.datamaxcorp.com, or contact your local Datamax reseller to learn more.

DMXNET
Advanced Features:

- Internet Printing Protocol
- Embedded Web Server
- Remote Printer Management
- 10/100 BaseT Ethernet
- SNMP Management Support
- DMX Configuration Utility
- E-mail Notice of Printer Status

DATAMAX ®

PRODUCT SPECIFICATIONS
DMXNet

INDICATORS	One green LED and one amber LED
CONFIGURATION	Stored in NVRAM
NETWORK PROTOCOLS	ARP, ICMP, IP, IPXISPX, TCP, and UDP
MANAGEMENT & DISCOVERY PROTOCOLS	AutoIP, FTP, SLP, UPnP, BootP, HTTP, SMTP, WINS, DDNS, LDAP, SNMP, DHCP, POP3, and Telnet
CONNECTORS	Ethernet: 8-wire RJ45 10/100BaseT

- Automatic selection of 10BaseT or 100BaseT Fast Ethernet connection.

- Integral HTTP Server to allow monitoring and management of the printer and the DMXNet card from a standard Web browser program.

- Peer-to-Peer (serverless) discovery and printing from Windows 95/98/ME or Windows NT/2000 workstations without a Novell file server present.

- FTP printing to allow users to print directly from a Web browser or other FTP client.

- Dynamic Domain Name Service (DDNS).

- Lightweight Directory Access Protocol (LDAP).

- Novell "YES" certified.

- Novell NetWare PSERVER on both bindery based and Novell Directory Services (NDS).

- LPR/LPD over TCP/IP for UNIX platforms and Microsoft's Windows.

- Raw sockets support over selectable TCP/IP port with filters for selected UNIX environment.

- IP and IPX SNMP support of MIB-2, proprietary NIC MIB and public and proprietary (private) Printer MIB.

- SNMP traps to alert administrators of printer errors (paper/ribbon out, head up, etc).

- E-mail notification of printer errors to specified addresses.

- Universal Plug and Play (UPnP).

- FTP download allows users to upgrade NIC adapter's Flash memory.

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