

PRODUCT SPECIFICATIONS

DMXrf Net



DMXrfNet is a high-performance 802.11b wireless network interface card for use with the Datamax I-Class, A-Class, and W-Class printer families.

Driven by its own dedicated processor, the DMXrfNet 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.

Compatible with WiFi wireless standards, the DMXrfNet card supports Direct Sequence Spread Spectrum operation with automatic selection of 1, 2, 5.5 and 11Mbps speeds, depending on environmental conditions. It handles Open System or optional Shared Key (available only to systems with encryption capability) and supports normal or 802.11b WEP encryption modes.

Connections can be made from virtually anywhere from its industry leading network protocol stack. Users can share devices simultaneously from TCP/IP, NetWare®, Windows™ NT/2000/XP, Windows 9x, Peer-to-Peer, LAN Server™/Warp Server™, and LAN Manager capabilities.

A console accessible via TELNET, NetWare, or the on-board serial port is available for more sophisticated diagnostics and configuration. The on-board serial port can also be configured as an additional external serial print server, allowing you to effectively print to two devices with only one print server! The interface is also compatible with the Simple Network Management Protocol (SNMP) for compatibility with most popular network management systems.

A concurrent 10baseT Ethernet® interface feature offers redundancy back-up for your system and the ability to use the printer in a wired or wireless environment. Hot swap and LED indicators of wired/wireless mode of operation are an added bonus.

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



DATAMAX®

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DMX_{rf} Net

OPERATIONAL:

- Variable Data Rates: 11, 5.5, 2 and 1 Mbps
- Frequency Band: 2.4 GHz ISM Band
- Wired Equivalent Privacy: 128-bit, 64-bit (compatible with 40-bit), none
- Sensitivity (typ, AWGN, 8E-2 PER): -91dBm at 1Mbps, -88dBm at 2Mbps, -87dBm at 5.5 Mbps, -84dBm at 11 Mbps
- Range: 100m Indoor, 300m Outdoor
- Industry standard MMCX diversity antenna connectors
- Hot swappable wired 10baseT Ethernet port for non-wireless connections.
- RS-232 compatible serial port with program selectable baud rates to 230.4Kbps, 7/8-bit characters, ODD/EVEN/MARK/ SPACE/NO parity, XON/XOFF, CTS/RTS, and NO flow control; and 1 or 2 stop bits. Modem signals include CTS, RTS, DSR, and DTR.

MANAGEMENT:

- Datamax Web XAdmin web-browser facility (includes English, German, French, and Dutch multilingual capability)
- Datamax XAdmin NetWare/VINES/TCP/IP Windows-based utility
- HP Web JetAdmin software
- Console accessible via serial port, TELNET or NetWare
- NetWare PCONSOLE, PRINTCON, PRINTDEF, NWADMIN
- Simple Network Management Protocol (SNMP) MIB I and II; IP or IPX
- Firmware downloads via NetWare or TCP/IP (master mode tftp, slave mode TFTP, or BOOTP); multiple servers may be downloaded simultaneously
- On-line HELP

OTHER FEATURES:

- Multiple services per port
- Ipd-Plus virtual printer capability (allows complex user-defined setup and reset strings configurable on a per-service basis)
- Programmable character string conversion
- IP security (ability to restrict access to print server based on IP address)
- Configurable TCP port numbers on a per-service basis
- IP address configuration via serial port, arp, rarp, DHCP, BOOTP, Datamax Xadmin & WP-Admin utility, HP JetAdmin/Web JetAdmin, and NetWare
- Automatic detection of NetWare frame type or frame type can be forced
- On-line HELP
- Sophisticated diagnostics, including protocol trace capability and crash dump
- External serial print server

SUPPORTED PROTOCOLS:

- TCP/IP (Ipd or raw TCP port)
- Direct Mode IPX/IP
- IPX/SPX
- Banyan VINES
- NetBEUI
- NetBIOS/IP

OPERATING SYSTEMS:

- NetWare (2.xx to 5.xx) w/NDS
- Windows NT 4/2000/XP
- Windows 95/98/ME
- IBM OS/2 Warp/LAN Server
- TCP/IP
- Windows for Workgroups
- MacOS (7.xx to 9.xx)
- MacOS X

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