

# Digi Print Servers

D A T A  
S H E E T

## FastPort MIL-3200X 4-Port Multi-protocol Ethernet Print Server

- Supports any Centronic parallel port; drives color printers and plotters at rated engine speeds
- Compatible with more than 20 UNIX platforms and allows customized print jobs
- Upgrades all units automatically on startup
- Permits "plug and play" installation on EtherTalk
- Allows network management via standard SNMP
- Provides simple alternative to difficult PCONSOLE
- Enables easy to install native NetBIOS support
- 5 year warranty



The FastPort MIL-3200X is a four-port multi-protocol Ethernet print server that provides simultaneous connections for up to four separate printers or plotters. The MIL-3200X features two serial and two parallel ports which allows users from TCP/IP, NetWare, EtherTalk, LAN Manager/LAN Server, and NetBIOS/NetBEUI protocols to share printers attached to a network.

### Easy to Install, Use, Manage and Upgrade

All MIL-3200X models come with an advanced multiprotocol feature set that makes it one of the easiest to use solutions in the market. Regardless of which protocol you use, the MIL-3200X Print Servers can be installed seamlessly. Using SMB (System Message Block) protocol over NetBIOS/NetBEUI, the units can be installed using the Network Neighborhood of Microsoft Windows 95 and NT. In TCP/IP networks, the units can be configured using BOOTP, ARP, RARP, and DHCP protocols. The MIL-3200X FastPort Print Servers support NetWare Directory Services for NetWare 4.x, allowing easy access to any printer on the network. For Macintosh users, the MIL-3200X series supports all popular Macintosh operating systems and through the use of the Digi LaserWriter Utilities you can configure the units using the standard LaserWriter printer driver. For SNMP managed networks, you can use

FastManage™ (Digi's Windows-based SNMP manager) discovery application to find Digi print servers on your network.

### The MIL-3200X is Ideal for Any System.

For sophisticated management and installation, UNIX environments can utilize either Digi's extensive host software package `fpfilter` or standard line printer daemon (`lpd`) directly. `lpd` is also supported on Windows NT systems. TCP/IP printing on Windows 95 is supported using Digi `lpr`, a printing utility. In any of these systems, no host software is required.

For configuration management, it offers a choice of standard `PCPNSOLE` or Digi's Advanced Configuration Tool (ACT) for NetWare. The MIL-3200X series can also be managed via SNMP which includes support for MIB-II, as well as serial and parallel MIBs. You can use FastManage or any other SNMP Manager to manage the MIL-3200X.

The units can be upgraded in a flash.

The MIL-3200X can be easily upgraded by printing a special job from any of the supported protocols. Each model also supports Trivial File Transfer Protocol (TFTP) and BOOTP for firmware upgrades.

# Features/Specifications

## Features

- Two high speed parallel port with 140KBps throughput
- Host software for UNIX Systems
- BOOTP, ARP, RARP, DHCP and TFTP (Trivial File Transfer Protocol) support for installation and automatic network flash upgrades
- AppleTalk support using standard LaserWriter utility
- SNMP support for TCP/IP, NetWare and EtherTalk (MIB-II and serial and parallel MIBs)
- ACT Netware configuration and management
- NetBIOS support for Microsoft NT, Windows for Workgroups and OS/2 LAN Manager

## Product Package

- Two foot Centronics cable
- Host software media: 4 Disks (3 1/2" standard)
- User manual
- 110/220 VAC Desktop Power Adapter
- Installation Guide

## Serial Ports

- Baud Rates  
300-38,400 Baud
- Flow Control  
XON/XOFF, RTS, CTS, DTR
- Parity  
EVEN/ODD/NONE
- Connector  
Male DB-9

## Parallel Ports

- Connector  
Female DB-25
- Burst Performance  
Up to 400KBytes/Second
- Sustained Performance  
Up to 140KBytes/Second

## Built-in Network Port

- Physical layer LAN IEEE specifications
- Unshielded Twisted Pair RJ-45 (female) 10Base-T

## Printers/Plotters

Any printer or plotter with an RS-232 or Centronics-compatible parallel interface

## Software LAN Interface

- TCP/IP: Transmit Control Protocol/Internet Protocol
- Supports ARP, BOOTP, RARP, ICMP, lpd, DHCP and telnet.
- IPX: Internetwork Packet Exchange for Novell NetWare
- EtherTalk: Full AppleTalk implementation for the Apple LaserWriter.
- Supports ARB, ATP, DDP, NBP, PAP, AARP, and ELAP.

## Novell™ NetWare®

### Compatibility

NetWare 2.x, 3.x, and 4.x with bindery emulation and NDS

### TCP/IP Host Software Compatibility

- SunOS 3.5 and greater (68000, Sun4, SPARC)
- Solaris 2.0 (SPARC, x86)
- ULTRIX (Vax, Mips R2000, R3000)
- HPUNIX 7.0 and greater (68000, PARISC)
- IBM AIX (RS6000)
- Silicon Graphics (System V and BSD)
- Interactive (x86)
- Pyramid
- Sequent
- SCO Unix
- Data General AviiON
- 4.3 BSD
- System V Release 3 and 4
- More system binaries
- Source code for compiling on different architecture

## Other TCP/IP Compatibility

- Adobe TranScript Chameleon/NFS
- PC/NFS  
Wollongong WIN/TCP
- TGV Multinet  
FTP PC/TCP
- Line Printer Daemon (lpd) support on 21 UNIX platforms

## Electrical

- Output: 1.0 A at 16 VAC
- Input  
120V/220V X 6/50 hz 36w

## Standards Compliance

- CISPBR Class B
- FCC Class A radiation.
- Certification for UL, CSA and TUV and CE

## Environmental

- Operating temperature:  
0°-55° C (32° - 131°F)
- Storage Temperature  
-10°-70° C (14° - 158° F)
- Operating Humidity  
10%-90% (non-condensing)
- Storage Humidity  
5%-95% (non-condensing)

## Digi Service And Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30 day money-back guarantee.

## Dimensions

Height	Width	Depth	Weight
1.75 in.	5.25 in.	6.0 in.	Unit 1 lb.

## Physical

The MIL-3200X is housed in a sturdy, compact aluminum alloy enclosure with stainless steel front and rear panels for years of maintenance-free use.

## Models and Part Numbers

Model	Network Uplink	Module/Connector Type
MIL-3210X. . . .	10Base-T . . . . .	None (Blank Plate)
MIL-3220X. . . .	10Base2/10Base-T . . . . .	4320 Thin coax/BNC
MIL-3230X. . . .	10BaseFL/10Base-T . . . . .	4330Fiber optic/ST

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