Digi FastPort Family
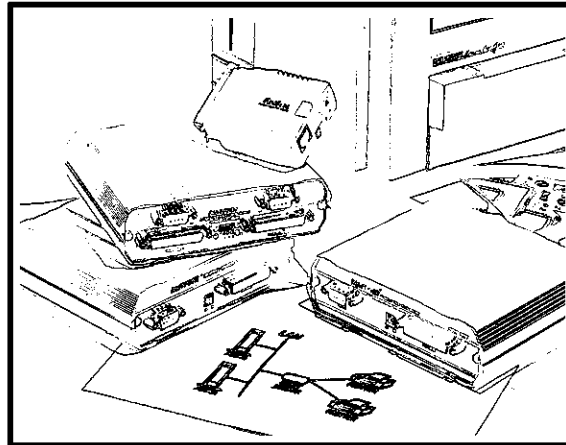
One, Two And Four Port Multiprotocol Print Servers For Ethernet And Token Ring Networks

∟ **Supports simultaneous printing from UNIX, Novell, OS/2, Windows NT, Windows 95, and Apple Macintosh platforms**

∟ **Simultaneous support for one, two or four printers or plotters**

∟ **Parallel port throughput of up to 210 Kbps**

∟ **SNMP for network manageability**

∟ **Five year warranty**

The Digi FastPort family is a line of powerful print servers featuring one, two, and four-port products. Designed for use on Ethernet and Token Ring networks, FastPort offers the convenience and flexibility of multiprotocol technology, making it ideal for heterogeneous network environments.

The multiprotocol capabilities of FastPort make it a cost-effective alternative to providing separate printers for each protocol environment on your network. This allows your current printers to serve users on any combination of NetBIOS, Ethertalk, TCP/IP or NetWare-based LANs.

FastPort comes in four models to meet your needs. The 3100CX, 3200X and 3400X support printer sharing on Ethernet and the 3500X supports printer sharing on Token Ring. All feature a UTP network uplink and your choice of fiber optic or thin coax uplink, or a configurable bay that can be equipped with one of Digi's plug-in Micro Modules for changing network media. The 3500X supports both UTP and a DB-9 STP uplink and also supports 4 and 16 Mbps operation.

All models come with an advanced feature set that makes it one of the easiest to use solutions on the market. The 3100CX and 3200X FastPort Print Servers support NetWare Directory Services for NetWare 4.x, allowing easy access to any printer on the network. For configuration management, it offers a choice of standard PCONSOLE or Digi's Advanced Configuration Tool (ACT) for NetWare. A DOS and OS/2 configuration tool which provides NetBIOS configuration functions is also included. FastPort also offers SNMP support to simplify complex management tasks and Trivial File Transfer Protocol (TFTP) support for fast, automatic firmware upgrades.

FastPort can be easily upgraded by printing a special job from any of the supported protocols. Each model supports lpd for TCP/IP printing and BOOTP, RARP, DHCP, syslog and telnet for easy configuration, management and monitoring on TCP/IP networks. FastPort also supports printing through Hewlett Packard's network port in Windows NT environments. No host software is required.

Digi

Easy-to-Use Multiprotocol Print Servers from the Industry Leader: Digi

A Powerful Print Sharing Solution for Virtually Any Network Environment

The FastPort, which was the industry's first multiprotocol print server, is engineered to provide simultaneous support for UNIX, Novell NetWare, Apple EtherTalk and NetBIOS networking environments. This capability makes FastPort the best solution for large installations where LAN segments are running under different operating systems.

FastPort Delivers Robust TCP/IP Printing

No other print server offers more TCP/IP printing options than FastPort. It supports more than 20 variations of UNIX and provides two convenient printing options. You can print directly to FastPort using the standard line printer daemon (lpd) or implement customized UNIX printing by using Digi's sophisticated host software. Both options allow you to print with your standard UNIX print commands.

FastPort also features two options that make management in TCP/IP environments remarkably simple. Using the telnet connection and a serial monitor, IP addresses and other parameters can be configured. This also provides a convenient way to check the status of attached printers. More complex management requirements are met by FastPort's SNMP support.

FastPort Puts You in Total Control of NetWare Printing

FastPort performance in NetWare environments is equally impressive. It features a self-configuring design and full compatibility with NetWare 2.x, 3.x and 4.x. In addition, the 3100CX and 3200X support Netware Directory Services (NDS) for NetWare 4.x.

For trouble-free configuration management, FastPort offers the choice of standard PCONSOLE installation or the complete control provided by ACT for NetWare. ACT simplifies the installation, configuration and monitoring of FastPort, as well as Novell queues and print servers.
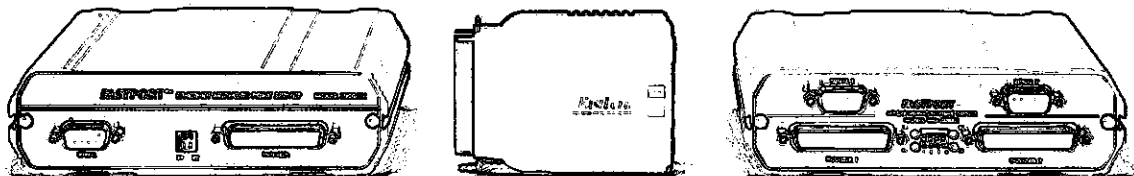
Digi FastPort ensures superior NetWare performance by supporting 802.3, Ethernet-II, 802.2 and SNAP frame types. It also automatically reconnects to Novell servers following reboot, supports encrypted passwords and notification of printer errors.

High Performance for EtherTalk and TokenTalk Environments

To meet the needs of Macintosh users, FastPort supports all the popular Mac applications and Apple operating systems 6.0.5 and greater. This capability, coupled with FastPort's ability to supply the bi-directional information necessary to achieve superior throughput, allows it to support high-speed PostScript printing through parallel ports.

FastPort's performance is further enhanced by Digi's LaserWriter Utilities. This tool allows you to configure FastPort using the standard LaserWriter printer driver.

- Available in one, two, and four-port configuration
- Configurable module bay option for use with Digi's plug-in Micro Modules
- NDS support
- Support more than 20 variations of UNIX

Easy-to-Use Multiprotocol Print Servers from the Industry Leader: Digi

Full NetBIOS and DLC Support for Printing from Other Popular Operating Systems

Thanks to Digi's firmware, FastPort supports NetBIOS. This allows you to print from Windows NT, Windows 95 (3100CX and 3200X) Windows for Workgroups, LAN Manager 2.2 and LAN Server 4.0 environments. In addition, FastPort includes a NetBIOS monitoring tool (NBMON) that is capable of configuring NetBIOS-related parameters, parallel and serial parameters, and enabling/disabling other protocols.

SNMP Support for Effortless System Management

With FastPort, even the most complex management functions are easy to perform. That's because Digi includes SNMP support for NetWare, TCP/IP and EtherTalk on every FastPort model. This feature provides a window into FastPort's traffic-handling capabilities and supports the sending of SNMP traps to the network manager. Full MIB-II and serial/parallel MIB support is also included.

Firmware Upgrades

Digi's Flash EPROMs can automatically perform firmware upgrades by simply printing a flash image file through any of the supported protocols. FastPort also supports Trivial File Transfer Protocol (TFTP) and BOOTP.
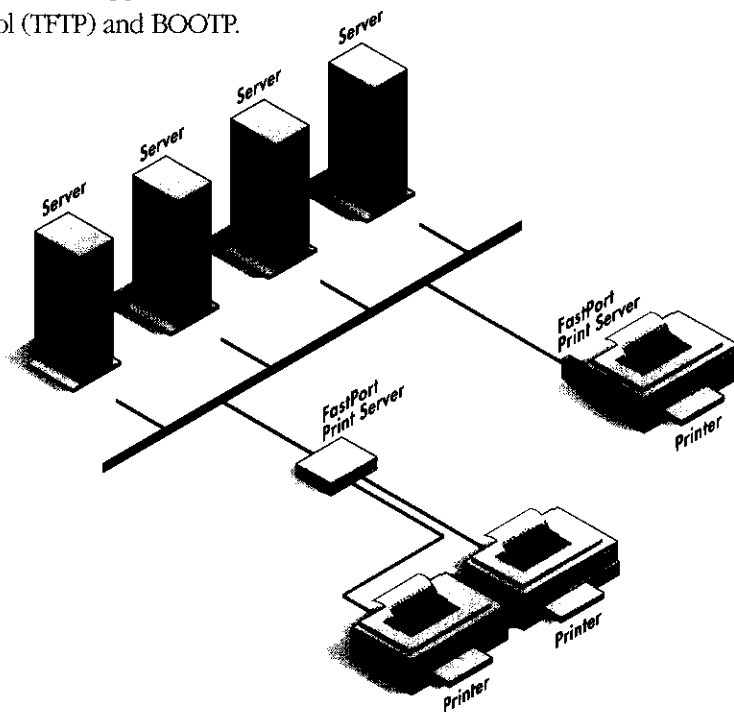
Customize Your FastPort Print Server with a Digi Micro Module

Digi's exclusive 4300M series Micro Modules are Ethernet micro transceivers that let you configure or re-configure FastPort 3100CX and 3200X. This maximizes your investment by allowing you to simply change the network uplink to meet your needs. All are IEEE 802.3 compliant and are equipped with convenient diagnostic LEDs.

Options include 10BaseT (UTP), 10Base2 (thin coax), 10BaseFL (single- or multimode fiber with ST or SMA connectors) and 10Base5 (AUI).

Print Server Rack Mount Assembly

Digi offers an assembly for rack mounting the FastPort 3100CX, 3200X and 3500X print servers. The Digi RMEX 19-inch rack mount assembly helps you clean up your wiring closet and accommodates any two of these print servers or other five-inch extrusion modules. The assembly consists of two U brackets and two L brackets and meets standard drop and vibration requirements.

☐ Network flash upgrades

☐ Drive color printers and plotters at rated engine speeds

☐ Support DHCP, BOOTP, ARP, RARP and TFTP

Features/Specifications

Product	Ports	Parallel Port Throughput	300-38,400 serial Port Baud Rates
3100CX	One parallel One serial	Up to 210 KBps sustained; 400 KBps burst	Yes
3200X	Two parallel Two serial	Up to 140 KBps sustained; 400 KBps burst	Yes
3400X	One parallel	Up to 140 KBps sustained; 400 KBps burst	No
3500X	One parallel One serial	Up to 160 KBps sustained; 400 KBps burst	Yes

Common Features

- Automatic Flash upgrades via TFTP and BOOTP
- Supports Dynamic Host Configuration Protocol (DHCP)
- Digi's Advanced Configuration Tool (ACT) for NetWare
- 802.3, Ethernet-II, 802.2 and SNAP support
- Supports "Plug and Print" installation on EtherTalk
- SNMP support
- NDS support
- Support for any Centronics parallel port
- Supports up to 24 servers and 32 queues
- Aluminum alloy housing for 3100CX, 3200X and 3500X; 3400X has plastic housing

Environmental Requirements

- Operating temperature: 32°F to 131°F (0°C to 55°C)
- Operating humidity: 10% to 90% non condensing (up to 95% for FastPort 3400X)
- Altitude: 0 to 12,000 ft (0 to 3,660 m)

Dimensions

3100CX, 3200X
- Length: 6 in (15.24 cm)
- Width: 1.75 in (4.44 cm)
- Height: 5.25 in (13.33 cm)
- Weight: 2 lbs (0.90 kg)

3400X
- Length: 3.4 in (8.6 cm)
- Width: 1.1 in (2.79 cm)
- Height: 2.4 in (6.09 cm)
- Weight: 1 lbs (.49 kg)

3500X
- Length: 6 in (15.24 cm)
- Width: 1.75 in (4.44 cm)
- Height: 5.25 in (13.33 cm)
- Weight: 2 lbs (.90 kg)

Power Requirements

- External switchable 110V/220V power adapter (included)
- 1.0A at 16VAC maximum (1.0A at 5VDC for FastPort 3400X)

Software LAN Interface

- **TCP/IP:** Transmit Control Protocol/Internet Protocol; supports ARP, BOOTP, RARP, ICMP, DHCP, lpd 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
- **TokenTalk (3500X only):** Full AppleTalk implementation on Token Ring for the Apple LaserWriter; supports ARB, ATP, DDP, NBP, PAP, AARP and ELAP
- **NetBIOS:** Windows for Workgroups, LAN manager 2.2 (OS/2 1.3), LAN Server 4.0 (OS/2 2.x), Windows 95, Windows NT

Software Compatability

Solaris Novell Netware, 2.x, 3.x and 4.x, Solaris

TCP/IP Host Software Compatibility

- Solaris 2.0
- Sequent
- SunOS
- HP/UX
- Data General AviiON
- Pyramid
- SCO UNIX
- NCR/AT&T

Call your Digi representative for a complete listing.

Third Party TCP/IP Compatibility

- Adobe TranScript
- Chameleon Netmanage
- PC/NFS
- TGV Multinet
- Sun NewSprint
- Wollongong WIN/TCP
- FTP PC/TCP
- Line Printer Daemon (lpd)
- Support for 21 UNIX platforms

Call your Digi representative for a complete listing.

Regulatory Approvals

- FCC Class A
- UL 1950
- EN60950
- CSA 22.2 No. 950
- CE -EN55022 -EN50082

Digi Service And Support

You can purchase FastPort Print Servers 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.

Models and Part Numbers

Digi FastPort 3110CX
UTP uplink with one configurable module bay . . . . .MIL•3110CX

Digi FastPort 3120CX
UTP and thin coax uplinks . . . . .MIL•3120CX

* Digi FastPort 3130CX
UTP and fiber optic (ST) uplinks . . . . .MIL•3130CX

Digi FastPort 3210X
UTP uplink with one configurable module bay . . . . .MIL•3210X

Digi FastPort 3220X
UTP and thin coax uplinks . . . . .MIL•3220X

* Digi FastPort 3230X
UTP and fiber optic (ST) uplinks . . . . .MIL•3230X

Digi FastPort 3410X
UTP uplink . . . . .MIL•3410X

Digi FastPort 3420X
Thin coax uplinks . . . . .MIL•3420X

* Digi FastPort 3500X
STP (DB9) and UTP (RJ45) ports . . . . .MIL•3500X

* Approved for North American use only