

DEC FDDIcontroller/PCI adapters

“What more could you want from a NIC?”



Digital's first-in-the-industry PCI FDDI adapters have done marvelously in the press. A few of the highlights to date:

An A+ ranking from *Network Computing*, Editor's Choice

Award, and "Best 100 Mb/s or Faster NIC" honors.

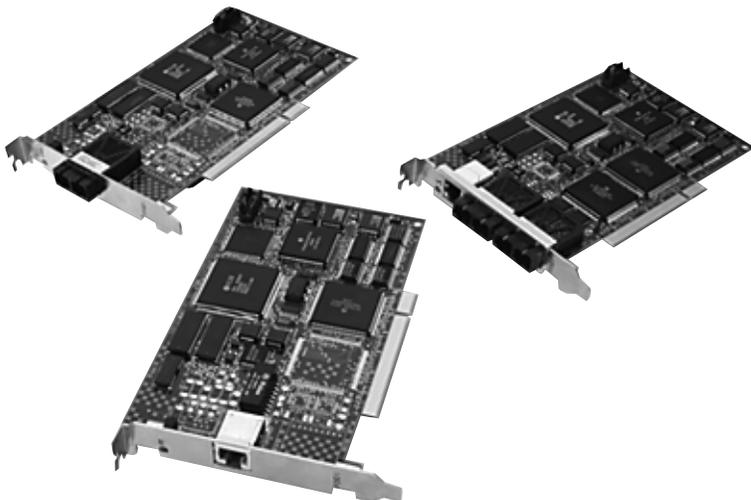
And comments like these: "Digital's PCI chip is presently the best in the business." A *PC Magazine* reviewer had this to say: "Not only is this adapter fast — it is also incredibly efficient."

The DEC FDDIcontroller/PCI adapters are ideal for heavily utilized FDDI networks. These 32-bit adapters feature an on-board CPU, DMA chip, and 1 MB buffer to support demanding high-bandwidth applications such as video, file transfer, and system backup operations — without taxing your systems. Full duplex capability extends bandwidth to 200 Mb/s.

These award-winning adapters are designed to work with a variety of platforms, including Mac[®] OS Open Transport and NetWare[®] fault-tolerant solutions. And Digital — the company with *the most* expertise in PCI technology and networking in the market today — offers its adapters at the lowest prices in the industry.

Highlights

- *Award-winning* — the most wins in the industry!
- *Performance*
 - High-performance, low-latency DMA chip supports high throughput and low CPU utilization
 - On-board CPU for SMT processing
 - 1 MB buffer RAM
 - Full duplex capability extends bandwidth to 200 Mb/s
- *Lowest prices in the industry*
- *Easy to install and use*
- *SNMP manageable*
- *Full suite of software drivers*
- *Variety of platforms* — Alpha, Intel[®], MIPS[™] and PowerPC[®] (including Power Macintosh[®])
- SAS UTP, DAS UTP, SAS SC, and DAS SC models
- *Digital's PCI leadership* — more expertise in PCI and networking and greater breadth of product than any other vendor
- *Lifetime warranty*



Award-winning performance

How does Digital capture award-winning performance in its PCI FDDI adapters?

Superior chip — We start with the chip. As *Network Computing* noted: “Digital’s PCI chip is presently the best in the business.” This chip utilizes intelligent DMA arbitration.

On-board memory — A full megabyte of on-board memory allows these adapters to tolerate high system latency with minimal impact on performance.

On-board CPU — Digital’s FDDI adapters have an on-board processor that runs the station management code independent of the host system, resulting in low CPU utilization. The code executed by the on-board processor is stored in FLASH and can be upgraded.

Full duplex — These versatile adapters provide up to twice the normal network bandwidth (200 Mb/s) when connected to full duplex switches or used in point-to-point connections with another full duplex capable adapter.

Installation is “a breeze”

These adapters and their drivers are designed to be easy to install and use. In fact, a *Network Computing* reviewer wrote: “The DEFPA also configures itself easily; you just install the card and load the driver. What more could you want from a NIC?” (4/1/95) And, a *PC Magazine* reviewer wrote: “Installing the [DEC] FDDIcontroller/PCI [card] in our NetWare 3.12 server was a breeze.” (4/25/95)

Specifications

Use in any system that is compliant with the PCI Local Bus V2.0 specification and supports PCI BIOS V2.0. The adapters support a 5-volt PCI bus master slot.

Dimensions 174 mm x 105 mm (6.95 in x 4.20 in)

Software driver notes

The following operating environments are supported: NetWare DOS ODI client, NetWare OS/2 ODI client, NetWare 3.x ODI server, NetWare ODI server (V3.1x and 4.x), NetWare SFT III MSL (V3.11 and 4.10), DOS client, PATHWORKS, Windows 95, Windows 3.1, Windows for Workgroups 3.11, OS/2 and SCO™ UNIX.

For Power Macintosh systems, the Mac OS Open Transport driver is available.

Windows NT™ 3.51 support for all platforms is distributed with the operating system and supported directly by Microsoft.

OpenVMS and Digital UNIX support is currently available on Alpha platforms.

Driver software upgrades are widely available online, e.g., CompuServe®, BBS, and the Internet.

Ordering information

Digital part number	DEC FDDIcontroller/PCI
DEFPA-UA	SAS, UTP model
DEFPA-MA	DAS, UTP model
DEFPA-AA	SAS, SC model
DEFPA-DA	DAS, SC model

Digital’s adapters: “enVISNing” PCI leadership

Digital Equipment Corporation offers more expertise in PCI technology and networking than any other vendor in the market today. And, with offerings in 10 Mb/s Ethernet, Fast Ethernet, FDDI, and ATM, no other vendor can claim the breadth of PCI adapters that Digital offers. These adapters have undergone extensive interoperability and standards testing. They are backed by a lifetime warranty from Digital.

For more information

Contact your local distributor. For a list of distributors in your area, call (800) 457-8211 in the United States and (508) 692-2562 in other locations.

<http://www.networks.digital.com>

Tuned for speed — A PC

Magazine reviewer had this to say about the PCI FDDI drivers: “Using NetBench 3.0, we pushed the [DEC] FDDIcontroller/PCI to its limits and were pleasantly surprised. The adapter was rock-solid and peaked at over 95 Mbps. Its CPU utilization remained low throughout the tests — below 50 percent in most cases. This is indicative of a well-coded device driver.” (4/25/95)

A full suite of drivers ensures compatibility across a variety of platforms. Drivers for NetWare, Windows™, DOS, Mac OS Open Transport, UNIX®, OS/2®, PATHWORKS, and OpenVMS are among those available.

Fault-tolerant solutions

With Digital’s robust PCI FDDI NetWare SFT III Mirrored Server Link solution, you benefit from a nonproprietary, low-cost solution that provides both point-to-point connection and network coexistence. These adapters can support 2 kilometers (km) over multimode fiber, 40 km over single-mode fiber, or up to 100 meters over Category 5 UTP. With the GIGAswitch/FDDI, distances can extend up to 400 km over a wide area network (using T3 connections). The bottom line is disaster tolerance — over much greater distances — at lower cost. Each server can literally be located in separate cities.