



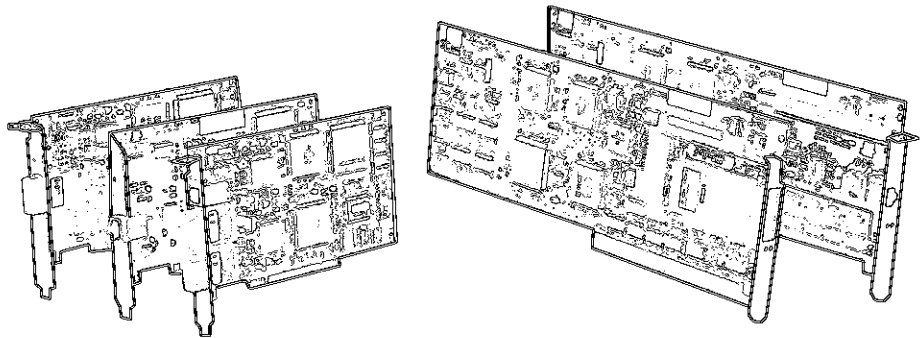
3C771A, 3C775A, 3C772, 3C803, 3C804, 3C805

# FDDILink

## 32-Bit FDDI Adapters

*Bringing FDDI performance and fault tolerance to PCI and EISA PCs*

3Com's FDDILink PCI adapters, left, support fiber, both SAS and DAS, and UTP category 5 copper connections. FDDILink EISA adapters, right, fiber, and UTP category 5 copper connections.



3Com FDDILink™ network adapters provide state-of-the-art performance and fault tolerance. FDDILink adapters allow 32-bit PCI and EISA PCs to take advantage of high-bandwidth FDDI and CDDI networks.

FDDILink adapters employ bus mastering and an on-board RAM buffer to meet the demands of network servers and high-performance workstations by transferring a large amount of data with very low CPU utilization.

3Com's FDDI adapters also bring you the capability to protect your mission-critical server connections and increase network uptime. The cards support 3Com's DynamicAccess™ Resilient Server Link (RSL) that enables "standby" NICs to take over following a primary NIC connection failure. Combined with "dual homing," RSL allows FDDILink PCI NICs to connect to different switches or hubs for additional redundancy beyond what FDDI already offers.

### *Key Benefits:*

- **Improved fault tolerance.** 3Com's unique RSL architecture improves upon FDDI's inherent fault tolerance by allowing "standby" NICs to be installed in mission-critical servers.
- **High performance.** Featuring on-board packet memory, bus mastering and direct memory access (DMA) data transfers.
- **Easy installation.** Supported by menu-driven configuration and diagnostics and by status LEDs.
- **Worry-free operation.** In compliance with the FDDI standard of the American National Standards Institute (ANSI) X3T9.5 committee, backed by a lifetime warranty.



FDDILink 32-Bit FDDI Adapters



# Specifications

## FDDILink 32-Bit FDDI Adapters

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### Interoperability

Multivendor FDDI interoperability and conformity to the American National Standards Institute (ANSI) FDDI standard tested at the Advanced Network Test Center (ANTC) in Sunnyvale, CA

### Software

FDDILink ships with 3Com FDDIDisks containing drivers for leading network operating systems:

Novell NetWare 3.12 and 4.1x servers  
Windows NT and Windows 95

### Hardware

PCs with 486 and Pentium processors running at 66 MHz or faster with at least 8-MB RAM

32-Bit PCI: PCI computers

32-Bit EISA: EISA computers

### Network Management

All FDDIDisk drivers include integrated FDDI Station Management (SMT 6.2 and 7.3), in compliance with ANSI. FDDILink Physical Connection Management (PCM) is integrated on-board for real time response. Frame-based services are integrated into the host driver. SMT 6.2 and 7.3 interoperability is tested at ANTC.

### System Interface

EISA: 32-bit EISA Bus Master

PCI: 32-bit PCI bus master

### Network Interface

**FDDILink-UTP (EISA) and FDDILink PCI UTP SAS**  
CDDI as specified by the ANSI X3T9.5 TP-PMD standard

**FDDILink-F (EISA) and FDDILink PCI Fiber SAS and Fiber DAS**  
FDDI as specified by the ANSI X3T9.5 PMD standard

### On-board Packet Memory

128-KBytes

### Connectors, Cables, and Operating Distances

**FDDILink-F (EISA)**  
FDDI-compliant MIC connector, keyed S. Supports distances up to 1.24 mi/2 km between stations on 62.5/125µ FDDI standard fiber-optic cable

**FDDILink-UTP (EISA) and FDDILink PCI UTP SAS**  
RJ-45 connector for Level 5/Category 5 UTP connectivity. Supports distances of up to 328 ft/100 meters

**FDDILink PCI Fiber SAS and Fiber DAS**  
FDDI-compliant 'SC' (LCF-PMD) Connectorized Duplex Optics connector. Supports distances up to 1.24mi/2 km between stations on 62.5/125µ FDDI standard Multi-Mode fiber-optic cable.

### Status LEDs

EISA: Two LEDs provide status indications:

Steady green: link alive, including data transmission

Steady yellow: fault/failure

PCI: Fiber SAS and UTP adapters have a single two-color LED to provide status indications; Steady Green: Link alive, including data transmission; Amber: fault/failure

Fiber DAS adapter has two two-color LEDs which provide separate status for each of the PHY connections. LED states are identical to the Fiber SAS and UTP SAS

### Data Path

32-bit bus master

### Interrupt Levels

EISA: 9, 10, 11, 12

PCI: Auto-assigned

### Physical Dimensions

Standard full EISA length:

13.3 in/33.9 cm

Standard full EISA height:  
5 in/12.8 cm

PCI: Short IBM AT form-factor, 6.95 inches by 4.20 inches

### Power Requirements

Operating voltage

EISA: +5V ±10% at 2.75A maximum

PCI: +5V ±10% at 2.7A maximum

### Environmental Ranges

#### EISA

##### Operating

Temperature: 32° to 131° F (0° to 55° C)

Humidity: 20% to 80% at 104° F (40° C), noncondensing

Altitude: to 10,000 ft/3050 m

##### Nonoperating

Temperature: -40° to 158° F

(-40° to 70° C)

Humidity: 10% to 90% at 104° F (40° C), noncondensing

#### PCI

##### Operating

Temperature: 50° to 104° F

(10° to 40° C)

Humidity: 8% to 80%

(noncondensing)

##### Nonoperating

Temperature: -40° to 185° F

(-40 to 85° C)

### Electromagnetic Compatibility

EISA: Meets the requirements of FCC Part 15, Subpart J, Class A on UTP copper and Class B on fiber

PCI: FCC Class B, VDE Class B, CE Class B

### Ordering Information

FDDILink-F (EISA)	3C771A
FDDILink-UTP (EISA)	3C775A
FDDILink PCI UTP SAS	3C803
FDDILink PCI Fiber SAS	3C804
FDDILink PCI Fiber DAS	3C805

### Warranty Summary

3Com warrants FDDILink to be in good working order for the life of the adapter.

To learn more about 3Com products, visit our World Wide Web site at <http://www.3com.com>.

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