



DFE-530TX

DFE-530TX Fast Ethernet adapter is equipped with an auto-negotiate 10/100Mbps NWay interface. It plugs into a desktop PC's PCI expansion bus slot to run in 10BASE-T or 100BASE-TX mode, half or full duplex.

## 10/100Mbps PCI Card for PC

D-Link's DFE-530TX Fast Ethernet adapter is a high-performance auto-sensing 10/100Mbps dual-speed adapter for the PCI bus. Installable in a Pentium or Pentium Pro PC equipped with PCI expansion slots, this adapter turns a desktop into a high-bandwidth graphic/multimedia workstation or a power server running at full-duplex speed.

### Powerful Performance

The adapter operates in the 32-bit Bus Master mode, delivering throughputs at multi-megabits per second with little stress on the host's CPU. Supporting PCI clock speeds independently of the network clock, it transfers data directly to/from the host's memory, by-passing the CPU to alleviate the host's workload.

### Easy Migration

The adapter allows users to migrate from Ethernet to Fast Ethernet in easy steps. 10BASE-T users can upgrade to 100BASE-TX anytime without changing driver software or network cables.

### Network Security

Network administrators can install optional boot ROMs on the adapters to implement network security. Diskless workstations equipped with these ROMs can remote boot from NetWare or Windows NT servers and access authorized data.

### Auto-sensing 10/100Mbps Interface

The adapter's single connector connects to either 10BASE-T Ethernet or 100BASE-TX Fast Ethernet completely without any need to set configuration. It detects the connected hub's or switch's capability and auto-negotiates to use the highest available speed.

### Full Duplex Support

Full/half duplex operation is auto-detected in both 10BASE-T and 100BASE-TX modes. When connected to a switch in full duplex, the network speed can be increased to 200Mbps, making the adapter an ideal NIC for high-speed server deployment.

### Comprehensive Driver Support

The adapter supports all major network operating systems, including NetWare, Windows and Linux.

### Key Features

- 10/100Mbps NWay interface
- 32-bit PCI bus master operation
- Low Ethernet command processing overhead
- Single shielded RJ-45 connector
- UTP and STP supported
- Support IEEE 802.1x Port-based Network Access Control (MD5 only)
- Full duplex supported for both 10BASE-T, 100BASE-TX
- Remote boot supported
- Easy-to-view diagnostic LEDs
- Simply Plug and Play
- Complete driver support

# DFE-530TX

## Technical Specifications

### General

#### Standards

- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3 10BASE-T Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- PCI local bus 2.2 specifications

#### Topology

Star

#### Protocol

CSMA/CD

#### Network Data Transfer Rate

- 100BASE-TX: 100Mbps
- 10BASE-T: 10Mbps

#### Full Duplex

- Fast Ethernet: 200Mbps
- Ethernet: 20Mbps

#### Network Cables

- 10BASE-T:  
2-pair UTP Cat. 3, 4, 5 (100 m)  
EIA/TIA-568 100-ohm shielded twisted-pair (STP) (100 m)
- 100BASE-TX:  
2-pair UTP Cat. 5 (100 m)  
EIA/TIA-568 100-ohm shielded twisted-pair (STP) (100 m)

### System

#### IRQ

Allocated by system

#### I/O Address

Allocated by system

#### Cache Buffer

- 2K byte receive/transmit FIFO

#### Diagnostic LED Report

- Link/Act
- 10/100Mbps speed

### Environmental & Physical

#### Power Consumption

0.4 watts

#### Dimensions

120 x 51 mm

#### Weight

68 grams (2.4 oz.)

#### Operating Temperature

0° - 40°C (32° - 104°F)

#### Storage Temperature

-25° - 55°C (-13° - 131°F)

#### Humidity

5% - 95% non-condensing

#### Emission

- FCC Class B
- BSMI Class B
- CE Class B
- C-Tick

### Drivers Supported

- Novell NetWare 3.x, 4.x, 5.x, 6.x & ODI DOS
- Microsoft Windows NT 3.51, 4.0, 95, 95 OSR2, 98, 98SE, ME, 2000, XP
- Microsoft Windows for Workgroups 3.11
- Microsoft Client for DOS
- IBM LAN Support Program 1.3x
- FTP PC/TCP
- Sun PC-NFS
- NDIS 2.x, 3.x drivers
- Packet driver
- Linux Kernel v2.0.x, v2.2.x, v2.4.x

## 10/100Mbps Adapter

### Remote Boot

#### Boot ROM Address

Searched by system BIOS

#### Boot ROM Size

64KB

### Remote Boot Server Support

#### - RPL bootROM supports:

- Novell NetWare 3.x, 4.x, 5.x RPL Boot Server
- Microsoft Windows NT 4.0 Boot Server



## Ordering Information

#### 10/100Mbps PCI Card

DFE-530TX 10/100Mbps PCI card

#### Optional Boot ROMs

DFE-534R3 RPL boot ROM

# D-Link®

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