



DFE-528TX

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This adapter plugs into a desktop computer's PCI expansion bus slot to run in 10BASE-T or 100BASE-TX mode, half- or full-duplex.

## 10/100Mbps PCI Card for PC & Macintosh

*The DFE-528TX is a high-performance auto-sensing 10/100Mbps dual-speed adapter for the PCI bus. Installable in a PC equipped with PCI expansion slots, this card turns a desktop computer into a high-bandwidth graphic/multimedia workstation running at full-duplex speed.*

### High Performance

With 32-bit Bus Master operation, the card guarantees the highest performance for power workstations and servers. Bus Master transfers data directly between the card and the host, bypassing the host CPU to alleviate its workload. This allows the host to concentrate on the application at hand.

### 10/100Mbps Flexible Connection

The card's single connector connects to either 10BASE-T Ethernet or 100BASE-TX Fast Ethernet. 10/100Mbps speeds are auto-negotiated, completely without users' need to intervene.

### Full Duplex Support

Full/half duplex operations are auto-negotiated 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 card an ideal NIC for high-speed workstation deployment.

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### Key Features

- 10/100Mbps auto-sensing with single shielded RJ-45 connector
- 32-bit PCI Bus Master operation
- Full/half duplex support
- Low network command processing overhead
- Runs Win95, 98, NT, ME, 2000, NetWare, Unix, MacOS
- Easy-to-view diagnostic LEDs

# DFE-528TX

## Technical Specifications

10/100Mbps PCI Card

### General

#### Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- PCI local bus 2.1, 2.2 specifications

#### Topology

Star

#### Protocol

CSMA/CD

#### Network Data Transfer Rates

- 10BASE-T:
  - 10Mbps (half-duplex)
  - 20Mbps (full-duplex)
- 100BASE-TX:
  - 100Mbps (half-duplex)
  - 200Mbps (full-duplex)

#### Network Cables

- 10BASE-T:
  - UTP Cat. 3 (100 m)
  - UTP Cat. 4, 5 (100 m)
  - EIA/TIA-568 STP (100 m)
- 100BASE-TX:
  - UTP Cat. 5 (100 m)
  - EIA/TIA-568B STP (100 m)

### System

#### IRQ

Allocated by system

#### I/O Address

Allocated by system

#### Diagnostic LED Report

- Link
- Activity

### Physical & Environmental

#### Power Consumption

0.32 watts (96mA @ 3.3V) max.

#### Dimensions

120 x 38 mm

#### Weight

25 grams

#### Operating Temperature

0° - 55°C

#### Storage Temperature

-25° - 55°C

#### Humidity

10% - 90% non-condensing

#### Emission

- FCC Class B
- CE Class B
- VCCI Class B

### LAN O.S. & Drivers Support

- Microsoft Windows 95, 98, NT 4.0, 2000, ME, XP
- Novell NetWare 3.12, 4.1x, 5.x ODI driver
- Microsoft LAN Manager
- MacOS 8.0 & higher
- Packet driver
- NDIS 2.0 driver
- SCO Open 5.x



### Ordering Information

DFE-528TX 10/100Mbps PCI Card

## D-Link®

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