



DFE-680TX dual-speed Ethernet/Fast Ethernet CardBus card with mediacoupler (left), DFE-680TXD dual-speed Ethernet/Fast Ethernet CardBus card with directport (right).

High-performance 10/100Mbps CardBus Cards for Mobile Users

The DFE-680TX and DFE-680TXD are a high-performance network cards for notebook PCs equipped with CardBus slots. Designed for use with the 32-bit PC Card CardBus, these PC Cards permit users on the move to easily connect to a network and share databases and resources in diverse environments.

32-bit High Performance

These PC Cards transfer data between the network and the PC host using the 32-bit CardBus. With large data buffers built-in, they are engineered to unleash the power of today's notebooks and turn them into robust stations or servers.

Direct Port Eliminates Need for Cable

2 models are available for selection:

DFE-680TX connecting the PC Card to the network through a media coupler, and DFE-680TXD directly connecting the PC Card to the network without the need for any media cable.

NWay Auto-negotiation

The cards' single connector connects to either 10BASE-T Ethernet or 100BASE-TX Fast Ethernet completely without any need to set configuration. It detects the connected network speed and auto-negotiates to transfer data at either 10Mbps or 100Mbps.

Full Duplex Support

Full/half duplex operation is auto-detected in both 10BASE-T and 100BASE-TX modes. In full-duplex, the notebook is connected to a switch on a dedicated segment. With transmission and reception taking place simultaneously, data transfer is doubled. Mobile users can thus hook to a network and turn their notebooks into power servers.

Complete Compatibility

The cards are compatible with all major notebook and sub-notebook PCs, support all main Socket and Card Services, and provide driver programs for all popular networking operating systems.

Key Features

- 10/100Mbps dual-speed NWay interface
- 32-bit high-performance data transfer to host
- Half/full duplex support
- Single RJ-45 shielded connector
- Choices of direct port connection or through media coupler
- Very low power consumption
- PC Card hot swap support
- Auto-correction of reverse polarity
- Easy-to-view diagnostic LEDs
- Complete driver support

DFE-680TX/680TXD

Technical Specifications

General

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE Std 802.3 NWay auto-negotiation
- PC Card

Topology

Star

Protocol

CSMA/CD

Network Data Transfer Rates

- Ethernet:
 - 10Mbps half-duplex
 - 20Mbps full-duplex
- Fast Ethernet:
 - 100Mbps half-duplex
 - 200Mbps full-duplex

Network Media

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

Connectors

- 68-pin for connection to CardBus slot
- 15-pin for connection to media coupler

Card-to-Host Data Transfer

Bus Master mode

Card and Socket Service Support

- PC Card standard
- Windows NT 4.x direct enabler
- DOS/Windows 3.1 direct enabler

Diagnostic LED Report

- Link, Act (Tx, Rx)
- 100Mbps speed indicator
- Full duplex indicator

IRQ

Auto-assigned by BIOS or Card Service

I/O Address

Auto-assigned by BIOS or Card Service

Physical & Environmental

Power Consumption

- Operation: 380mA (max.)
- Power down: 50mA

Dimensions

- DFE-680TX base unit: 85.6 x 54 x 3 mm
(3.37 x 2.12 x 0.12 inches)
- DFE-680TXD: 120 x 54 x 3 (13) mm
(47.24 x 2.12 x 0.12 (0.51) inches)

Weights

- DFE-680TX base unit: 30 grams (1.06 oz.)
- DFE-680TX media coupler: 25 grams (0.88 oz.)
- DFE-680TXD: 54 grams (1.90 oz.)

Operating Temperature

0° - 60 °C (32° - 140 °F)

Storage Temperature

-20° - 70 °C (4° - 158 °F)

10/100Mbps LAN PC Cards



Humidity

10% - 90% non-condensing

Emission (EMI)

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

Network O.S. Support

- Microsoft Windows NT 3.5x, 4.x
- Microsoft Windows 95 OSR2, 98, 2000
- Linux driver ready
- FTP PC/TCP
- Packet driver



ACN 052 202 838



Ordering Information

10/100Mbps CardBus PC Cards

DFE-680TX 10BASE-T/100BASE-TX
dual-speed CardBus Card
with media coupler

DFE-680TXD 10BASE-T/100BASE-TX
Dual-speed CardBus Card
with Direct Port

D-Link®

Specifications subject to change without prior notice.
D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

U.S.A.
Canada
Europe
U.K.
Germany
France
Italy
Iberia
Sweden
Norway
Denmark
Finland
Singapore
Australia
Japan
China
India
Middle East
South America
South Africa
Russia
Taiwan
D-Link Corp.

TEL: 1-949-788-0805	FAX: 1-949-753-7033
TEL: 1-905-829-5033	FAX: 1-905-829-5095
TEL: 44-20-8731-5555	FAX: 44-20-8235-5511
TEL: 44-20-8731-5555	FAX: 44-20-8235-5511
TEL: 49-61-96779900	FAX: 49-61-967799300
TEL: 33-1-30.23.86.88	FAX: 33-1-30.23.86.89
TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
TEL: 34-93-4965751	FAX: 34-93-4965701
TEL: 46-(0)8-564-61900	FAX: 46-(0)8-564-61901
TEL: 47-22-991890	FAX: 47-22-207039
TEL: 45-43-96.90.40	FAX: 45-43-42.43.47
TEL: 358-9-622-91660	FAX: 358-9-622-91661
TEL: 65-774-6233	FAX: 65-774-6322
TEL: 61-2-9417-7100	FAX: 61-2-9417-1077
TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
TEL: 86-10-88097777	FAX: 86-10-88096789
TEL: 91-22-652-6696	FAX: 91-22-652-8914
TEL: 202-2456176	FAX: 202-2456192
TEL: 56-2-232-3185	FAX: 56-2-232-0923
TEL: 27(0)126652165	FAX: 27(0)126652186
TEL: 7-095-737-3389	FAX: 7-095-737-3390
TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



RECYCLABLE
Rev. 01 (Mar. 2001)
Printed in Taiwan
7DFE680TX010