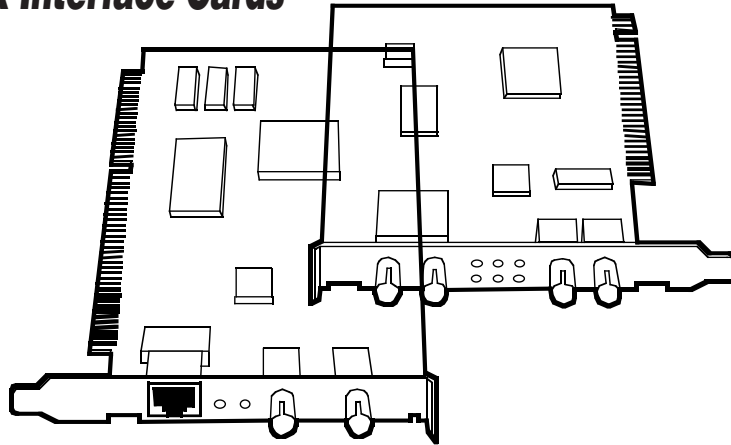


BLACK BOX[®]

NETWORK SERVICES

Fiber Network Interface Cards



*“Future-proof” now.
Bring fibre to the
desktop in a cost-
effective way.*

Key Features

- ▶ 10/100 Fibre PCI NCI provides interfaces for both 10BASE-FL and 100BASE-TX.
- ▶ LEDs permit easy monitoring of transceiver status in both horizontal and vertical orientation.
- ▶ Support Windows 95 and 98, Novell[®], LAN Manager[™], Banyan[™], and other popular LAN protocols.
- ▶ Allow you to “future-proof” your network, upgrading your fibre capabilities.
- ▶ No hardware jumpers or switches required for operation.
- ▶ 10/100 Fibre PCI NCI network selection is automatic and transparent.

The BLACK BOX[®] family of Network Interface Cards brings low-cost fibreoptic connectivity to your desktop. In all, we have nine PCI cards and one ISA card available.

The 32-bit, bus-mastering PCI cards provide you with a reliable redundant fibre solution. Most importantly, they support Ethernet and Fast Ethernet fibre technology, so you're able to plan for network upgrades at the desktop level.

So as you implement new technologies to achieve greater bandwidth, these cards will enable you to meet your improved network's fibre demands. In turn, you'll be able to take advantage of faster data-transmission speeds.

All of our Fibre PCI cards support both full-duplex, to extend up to 1.2 miles (2 km), and half-duplex to span 1,312 ft. (400 m). They also fully comply with IEEE 802.3 10BASE-FL and 802.3u 100BASE-FX standards, ensuring compatibility and quality with existing network hardware. The family of PCI cards also supports UNIX,

Novell[®], LAN Manager[™], Banyan[™], and other popular LAN protocols.

We offer dual-purpose PCIs containing both fibre and copper (RJ-45) connectors. The other cards have just fibre connectors.

The 10/100 PCI cards “future-proof” your 10-Mbps fibreoptic networks. You can upgrade to a 100-Mbps fibreoptic network simply by moving the cable from the 10BASE-FL connector to the 100BASE-FX connector. As soon as you install a 100-Mbps hub or switch, you can connect at Fast Ethernet speeds.

The 10/100 Fibre PCI also gives you simultaneous connections to 10BASE-FL and 100BASE-FX, ensuring access to mission-critical data through two fibre connections. It essentially

creates an alternate connection in the event of a network problem. Connect your fibre cables to both sets of connectors, and if one connection fails, the card transparently moves to the second connection. The automatic network selection seamlessly connects you to the fastest port, then continuously monitors your network for a restored link. When the Fast Ethernet link is restored, the card automatically and seamlessly switches activity back.

The cards also have comprehensive sets of status indicators, alerting you to such items as link status and activity for each link, and collisions.

All of the PCI cards operate without the need for hardware jumpers or switches.

Typical Application

Using 10/100 Fibre PCI, you can create an alternate network connection in the event of a network problem. As your company moves to a Fast Ethernet network, your existing Ethernet infrastructure can be used as a backup network.

Specifications

CE Approval — All items listed are approved

User Control — Software

Temperature —
Operating: 0 to 50° C

Humidity — 5 to 95%, non-condensing (relative)

Indicators —
All:
Full-duplex and for each link: Status, Activity;
LE1351C:
Copper and Fibre Link Status;
LE1358C-ST, LE1358C-SC, LE1359C-ST, LE1359C-SC, LH1350C-ST, LE1350C-SC: Collision

Connectors — ST or SC

Interface —
LE1358C-ST, LE1358C-SC: 10BASE-FL;
LH1350C-ST, LH1350C-SC: 100BASE-FX;
LE1359C-ST, LE1359C-SC: 10BASE-FL and 100BASE-FX

Power — Interface-powered

Size —
LE1358C-ST, LE1358C-SC, L1359C-ST, L1359C-SC, LH1350C-ST, LH1350C-SC: 14 x 9.7 x 1.3 cm;
LE1352C-ST, LE1353C-SC, LH1351C: 13.5 x 10.2 x 1.3 cm;
LE1351C: 18.5 x 10.2 x 1.3 cm

Weight —
LE1358C-ST, LE1358C-SC, LE1359C-ST, LE1359C-SC, LH1350C-ST, LH1350C-SC: 0.3 kg;
LE1352C-ST, LE1353C-SC, LH1351C, LE1351C: 0.2 kg

The complete package:

- User manual.
- PCI or ISA card.
- Release notes.
- Registration card.
- Three driver disks, which contain software drivers for popular network operating systems, diagnostic utilities, and an electronic copy of all documentation.

Additional equipment you may need:

- Category 5 Color Patch Cable (RJ-45).
- Ethernet Transceiver Cable.
- Duplex Fibre Optic, PVC, ST-ST® Cable.

For these and other components...

Call our expert Technical Support Staff for all your Ethernet needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
PCI Fiber Network Interface Cards	
10BASE-FL PCI	
with ST connector	LE1358C-ST
10BASE-T/10-BASE-FL	
with ST & RJ-45 connectors	LE1352C-ST
with SC & Rj-45 connectors	LE1353C-SC
10/100 Fiber PCI	
with ST connectors for 10 Mbps & 100 Mbps	
.....	LE1359C-ST
with ST connectors for 10 Mbps & SC connector	
for 100 Mbps	LE1359C-SC
100BASE-FX PCI	
with ST connector	LH1350C-ST
with SC connector	LH1350C-SC
10/100BASE-TX/100BASE-FX	
with ST & RJ-45 connectors	LH1351C
ISA Fiber Adapter	
10BASE-T/10-BASE-FL	
with ST & RJ-45 connectors	LE1351C
OPTIONAL ACCESSORY	ORDER CODE
CAT5 Color Patch Cable, Custom Lengths	EVMSL05
Ethernet Transceiver Cable, Custom Lengths	LCN210
Duplex Fiber Optic Cable, PVC, ST-ST, Custom Lengths	
.....	EFN062-CC