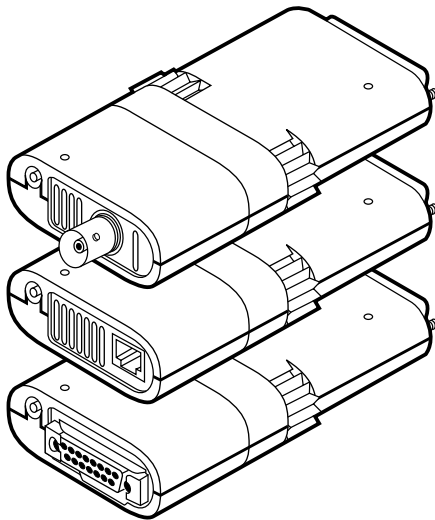![Black Box Network Services logo]

MODULAR PARALLEL ADAPTERS AND MEDIA UNITS

No matter the cabling or topology, you can connect to a network even if your PC doesn't have a PCMCIA port!

Key Features

▶ *Ethernet, Token Ring, and ARCNET versions.*

▶ *Ethernet and Token Ring Adapters include matching Media Units.*

▶ *Media Units are all interchangeable— substitute one Unit for another for flexible connectivity options.*

▶ *Adapters connect to your PC's parallel printer port—no internal cards needed!*

▶ *Support for all types of parallel ports.*

No matter where you go, you can connect your notebook to an Ethernet or a Token Ring LAN regardless of the cabling system, topology, or Network Operating System, thanks to Modular Parallel Adapters and Media Units.

Installation is easy—there are no jumpers or configuration switches to set. You can even use the Adapters for workstations that have a limited number of internal expansion slots.

Modular Parallel Adapters connect externally to your PC's parallel printer port, eliminating the need to install internal cards. The Adapters also support all types of parallel ports, including PS/2®, unidirectional, bidirectional, and Enhanced Parallel Port (EPP).

An Ethernet and Token Ring Adapter comes with one of several types of Media Units preattached to its network end.

Each Unit is designed for a different interface or set of interfaces. This enables an Ethernet or Token Ring Adapter to be the connection point for several common media types. *And because the Modular Media Units are interchangeable, you can substitute one Unit for another to connect an Adapter to any cable types!*

Our Ethernet Adapters *natively* support 10BASE-T on unshielded twisted pair, 10BASE2 on ThinNet, and 10BASE5 AUI.

Token Ring Adapters *natively* support Type 1 or Type 3 cabling.

The ARCNET Adapter supports coax and twisted-pair connections simultaneously.

We even have combination Adapters for Ethernet and Token Ring that support two different interfaces for both topologies— you can swap their two included Media Units as necessary!

All Adapters provide diagnostics and self-testing. They support parallel ports LPT1 through LPT4, interrupt lines IRQ7 and IRQ5, as well as polling mode when no interrupt line is available. In addition, the Adapters automatically select unidirectional or bidirectional mode.

Most of our Adapters are powered by an included external wallmount supply. However, two Ethernet models (LE073A-R2, LE074A-R2) include a 6-pin mini-DIN cable that connects the Adapters to your computer's keyboard port to draw power.

For DOS-only applications, you'll want our Modular Parallel Mux. It enables you to attach an Adapter and a local printer to the same parallel port on your PC. That means flexibility and savings, so you can keep your reliable system going and going.

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 6.00 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Specifications

Data Rate: LE073A-R2–LE075A-R2, LE076A, LE171–LE172, LE175: 10 Mbps;
LT097A–LT099A, LT198–LT199: 4 or 16 Mbps;
LA099A: 2.5 Mbps

Legacy Drivers of NOS Support:
LE073A-R2–LE075A-R2, LE076A, LE171–LE172, LE175, LT097A–LT099A, LT198–LT199: NDIS 2.0.1, NDIS 3, Novell® ODI, OS/2®, Packet, Windows® 3.1, 3.5x, 95 (support via Web download of Win 95 driver self-extracting zip), WFWG, Windows NT 3.5+, Lantastic, LAN Manager, ;
LA099A: ODI

Protocol: IP, IPX™, NetBIOS

Standards: LE073A-R2–LE075A-R2, LE076A, LE171–LE172, LE175: IEEE 802.3 Ethernet v.2;
LT097A–LT099A, LT198–LT199: IEEE 802.5 Token Ring;
LA099A: ARCNET

Temperature Tolerance:
Operating: 32 to 122°F (0 to 50°C);
Storage: 32 to 158°F (0 to 70°C)

Interfaces and Connectors:
All Modular Parallel Adapters for Ethernet: (1) IBM® PC parallel (DB25 M);
LE073A-R2, LE171: (1) 10BASE-T (RJ-45);
LE074A-R2, LE172: (1) 10BASE2 (ThinNet, BNC F);
LE075A-R2, LE175: (1) 10BASE5 AUI (DB15 F);
LE076A: Either (1) 10BASE-T (RJ-45) or (1) 10BASE2 (ThinNet, BNC F), user-selectable;
All Modular Parallel Adapters for Token Ring: (1) IBM PC parallel (DB25 M);
LT097A: Either (1) Type 1 (DB9 F) or (1) Type 3 (RJ-45), user-selectable;
LT098A, LT198: (1) Type 1 (DB9 M);
LT099A, LT199: (1) Type 3 (RJ-45);
LA099A: (1) BNC (coax), (1) RJ-11 (twisted pair)

Indicators: LE073A-R2–LE075A-R2, LE076A: Power, Network Activity;
LT097A–LT099A: Power, Link

Power: LE073A-R2–LE074A-R2, LE076A, LE171–LE172, LE175: 5 VDC at up to 500 mA from PC's keyboard or mouse port through interface-power cable;
LE075A-R2: Included AC power supply that outputs between 4 and 20 VDC at 500 mA on a center-positive barrel plug;
LT097A–LT099A, LT198–LT199: From the included 110-VAC, 60-Hz power supply

Size: Ethernet or Token Ring Adapter with Media Unit installed: 2.5 x 6.1 x 10.2 cm

Weight: Ethernet or Token Ring Adapter with Media Unit installed: 0.1 kg

> Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.

Typical Application

You'll certainly need one or more of these Parallel Adapters if you're going on the road any time soon. They're particularly handy if you often demonstrate at trade shows or conduct on-site consultation or training.

Ordering Information

ITEM	CODE
Modular Parallel Adapters (Include Media Unit or Units)	
Ethernet	
10BASE-T (RJ-45)	LE073A-R2
10BASE2 (BNC)	LE074A-R2
10BASE5 (AUI)	LE075A-R2
Ethernet Combo (10BASE-T/10BASE2)	LE076A
Token Ring	
Token Ring Combo (Type 1/Type 3)	LT097A
Type 1 (DB9)	LT098A
Type 3 (RJ-45)	LT099A
ARCNET®	
BNC/RJ-11	LA099A
Optional Modular Media Units	
Ethernet	
10BASE-T (RJ-45)	LE171
10BASE2 (BNC)	LE172
10BASE5 (AUI)	LE175
Token Ring	
Type 1 (DB9)	LT198
Type 3 (RJ-45)	LT199
You may also need…	
Modular Parallel Mux	LE170
(Designed for DOS-only applications)	