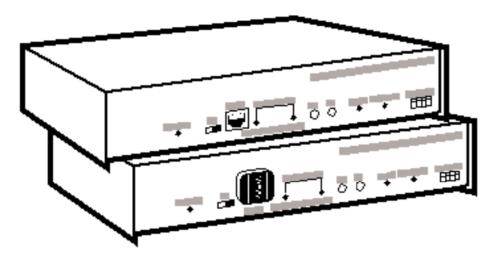


## 4/16 Mb Fiber Repeaters for Token Ring



Our 4/16 Mb Fiber Repeaters can link or extend your Type 1 or Type 3 Token Rings across vast distances, over reliable, secure fiberoptic cable.

Our 16 Mb Fiber Repeaters give your 4- or 16-Mbps Token Ring the fiberoptic edge; one pair boosts signals up to 10,000 ft. (3048 m).

#### **Key Features**

➤ One pair extends a main Token Ring circumference by up to 3048 m over fiber cable.

Connects widely separated lobes or stations.

Operates at 4 or 16 Mbps to give you speed, flexibility, and easy upgrading.

Automatic loopback keeps

the Token Ring up and
running even when a line fails.

Fiberoptic links provide both distance and data security.

### Overview

Install a campus Token Ring LAN, extend an existing LAN to include distant users, or connect separate rings already in place. All you need is a pair of our 16 Mb Fiber Repeaters. They can greatly expand the geographic range of your Token Ring LAN: each pair can add as much as 3048 m of fiber-optic distance. And, of course, fiberoptic links are ideal for maintaining data integrity and network security in hostile environments.

A pair placed between the RO port of one MAU and the RI port of another stretches the main ring to service your whole site. Installed between lobe ports of two MAUs on different small-scale rings, a pair creates one fiberoptic segment of a large, lobe-to-lobe main ring. Other Repeaters would form a matching segment or seg-ments to complete the ring, allowing local

groups to func-tion independently and yet still be interconnected. Or, a pair placed between a MAU lobe port and a station ex-tends a lobe to include that one distant workstation that would otherwise cause you network-design and install-ation headaches.

If you only run at 4 Mbps right now, the 16 Mb Fiber Repeaters can be set to match that speed with external switches. Then, if and when you want to migrate to 16 Mbps, you won't have to replace repeaters. Just reset the switches and your

Repeaters will be ready to perform at top speed.

Even cable breaks are no problem for these Fiber Repeaters. Whether they're operating in RI/RO mode or lobe-to-lobe mode, their automatic loopback circuitry keeps your Token Ring running even when there is a main ring fault.

Typical Applications

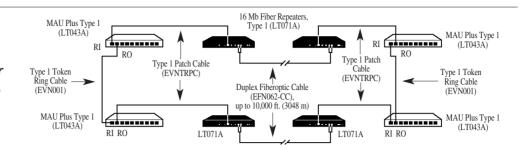
Install between MAU RI/RO ports to extend the circumference of your main ring.

Install between MAU lobe ports to connect distant MAUs.

Extend an existing lobe by installing between a MAU and a station.

11347

Four 16 Mb Fiber Repeaters give you the freedom to expand your Token Ring by almost 6 km.



#### **Technically Speaking**

- You can run one fiberoptic cable for a fiberoptic seg-ment between two 16 Mb Fiber Repeaters or you can attach two cables end-to-end. Maximum distance for a fiberoptic segment that passes through two pairs of connectors (a single fiber-optic cable) is 3048 m. Max distance, for a fiberoptic segment that passes through four pairs of connectors (two cables), is 2286 m. Avoid using more than two cables.
- Planning the copper segments of your Repeater-driven Token Ring may be complicated. When you're calculating the cable length, each separate copper seg-

ment is treated as if it were an entire ring by itself. Distance calculations must take into account the type of cable being used, its wire gauge (for Type 3), the number of wiring closets, and the number and type of MAUs. Your User's Manual has all the necessary formulas, plus detailed, easy-to-understand charts. If you'd like further assistance, call our Tech Support Engineers on 0118 965 6000.

The Complete Package

What you get when you order a 16 Mb Fiber Repeater.

- One Type 1 or Type 3 16 Mb Fiber Repeater, as specified, with power cord
- User's Manual



#### Additional equipment you may need

- Fiberoptic, Type 1, or Type 3 Cable
- 16/4 Mbps Token Ring Cards for AT®, MCA, or EISA
- MAUs for Type 1 and Type 3 cable
- 16/4 Meg Media Filters

# Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
16 Mb Fiber Repeaters: Type 1	LIU/1A
Туре 3	LT073A
Cable for your application	
Fiber Optic Cable	EFN062-CC
Type 1 Token Ring Cable	EVN001A
Type 1 Patch Cable (Repeater to MAU)	EVNTRPC
Type 1 Adapter Cable (Repeater to Station)	EVNTRD9
Type 3 Token Ring Cable	EYN712A
Optional Accessories	
16/4 Meg Media Filters	LT056A

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

#### Specifications

Standards — IEEE 802.5

**Speed** — 4 or 16 Mbps, switch-selectable

**Indicators** — (5) LEDs: Power, Data, Station, Copper Loopback, Fiber Loopback

Connectors — (2) ST® (RX, TX); LT071A: (1) data connector (IEEE 802.5 Medium Interface Connector) female; LT073A: (1) RJ-45 female

Power — 115-230 VAC

(switch-selectable when unplugged), 50-60 Hz; maximum consumption 8 watts

Fuse — 0.25 A (230 VAC)/ 0.5 A (115 VAC), 250 V Slo-Blo

**Size** — LT071A: 4.3H x 28.9W x 15.7D cm; LT073A: 4.3H x 28.9W x 11.7D cm

Weight — 1 kg

11347