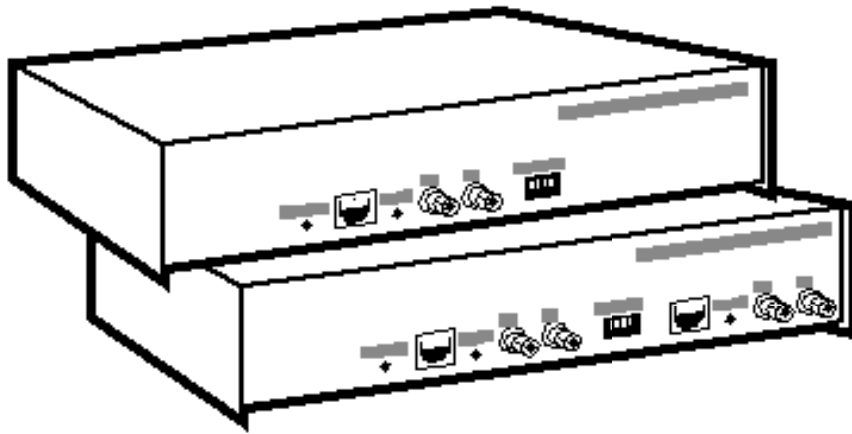


FibreOptic Converter I, FibreOptic Converter II



Upgrade your copper Token Ring network to fibre optics—while preserving your MAU investment.

The Fibre Optic Converters I and II (shown above) let you extend main-ring or lobe distances.

Key Features

- ▶ Changes your network's analogue signals to optical signals for fibre optic cable
- ▶ Supports distances of up to 1km on fibre optic links
- ▶ Automatically adjusts to 16 or 4 Mbps to fit your network
- ▶ Works in main-ring or lobe applications
- ▶ Supports a variety of fibre optic cable sizes
- ▶ Indicates status via LEDs

Overview

Preserve your existing MAU investment when you convert your network to fiber optics. These Fibre Optic Converters change the copper analogue signal to a fibre optic optical signal. They also eliminate the electromagnetic interference that so often causes problems with copper cabling.

We offer two models: the Fibre Optic Converter I and the Fibre Optic Converter II. The Fibre Optic Converter I has one RJ-45 port, a fiber-optic Transmit port, and a Receive port.

The Fibre Optic Converter II has two RJ-45 ports and two Transmit and

two Receive ports for fibre optic cable.

The RJ-45 ports use unshielded twisted-pair cable to convert the network's analogue signal to an optical signal for transmission over the fibre optic link.

These Converters are extenders too. A pair of either con-

verters will extend the distance between MAUs or extend a lobe length—up to 1km.

Both models support 100/140-, 62.5/125-, and 50/125-micron cable.

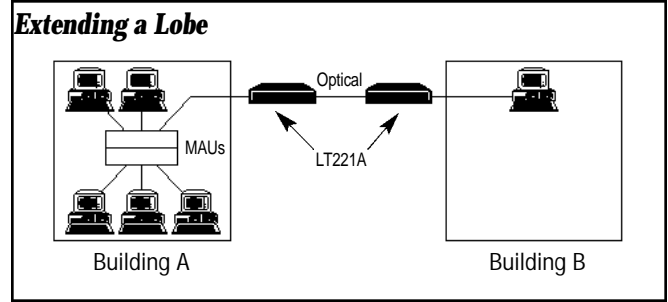
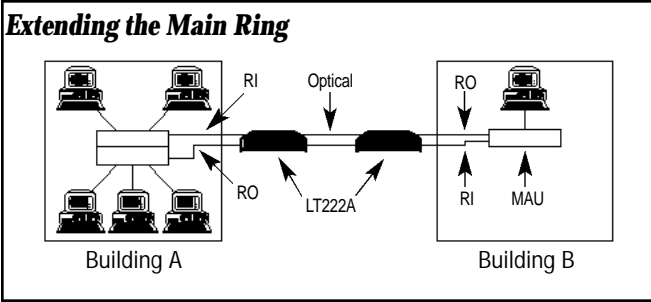
Dagnostic LEDs indicate Power, Channel 1 Data, and Channel 2 Data.

Typical Applications

Extend main-ring or lobe lengths in your existing fibre optic network.

Expand your Token Ring network, using your existing copper cable and fibre optic cable too.

Extend the distance in the main ring or extend the length of individual station lobes.



Technically Speaking

- In MAU-to-MAU applications, if the fibre or copper cable breaks, the Token-Ring network goes into a beaconing condition until the technician either loops back the Ring In and Ring Out of each MAU or repairs the cable break.
- When you use the Converters in a lobe application, the maximum distance on the lobe is 1km over the fibre link, plus the maximum lobe length allowed for that particular ring. If a cable break occurs between the copper connections of the

- MAU and the Converter, the MAU will close the relay on the MAU, preserving the integrity of the Token Ring network.
- The Converters change the network's analogue signal to an optical signal.
- The converters support three optical cable sizes: 100/140, 62.5/125, and 50/125 micron.
- The converters must be used in pairs, one at either end of the fibre optic link.
- LEDs provide information on active copper ports for Power, Channel 1 Data, and

- Channel 2 Data.
- A four-position configuration switch sets the converter for four possible configurations including lobe extension, near MAU, near station, and Channel 1—RO and Channel 2—RI or Channel 1—RI and Channel 2—RO.

The Complete Package

What you get when you order the Fiber Optic Converter.

- Fiber Optic Converter I or
- Fiber Optic Converter II
- User's Manual

Specifications

Indicators — (1) Power, (1) Channel 1 Data, (1) Channel 2 Data

Speed — 16 or 4 Mbps

Connectors — LT221A: (1) RJ-45 female, (2) ST;
LT222A: (2) RJ-45 female, (4) ST

Power — 115/230 VAC, switch-selectable, 6 watts

Size — 4.3H x 29W x 10.2D cm

Weight — 1 kg

For these and other components...

Call our technical support staff for more information. They'll help you find the best equipment for your application

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	PRODUCT CODE
Fibre Optic Converter I.....	LT221A
Fibre Optic Converter II.....	LT222A