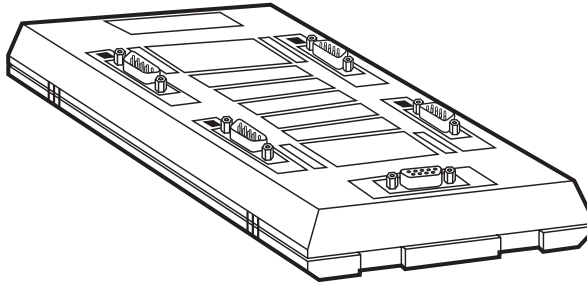


BLACK BOX[®]

NETWORK SERVICES

Lobe Access Unit



Use a single lobe to accommodate four workstations!

Key Features

- ▶ Operates at 4 or 16 Mbps.
- ▶ LEDs monitor active workstations.
- ▶ No external power supply required.

Overview

The Lobe Access Units are lobe extenders that quadruple the lobe capacity of the standard Token Ring MAU. They eliminate the need for an additional MAU in situations where extra lobes are needed. And by using

Lobe Access Units to add workstations to the ring in place of extra lobe cabling, you reduce overall design costs.

Connect four workstations to a single lobe with the Lobe Access Unit. Or, with the flip of a switch, use the Lobe Access Unit as a standalone access unit.

The LT0009A has five ports, each using DB9 connectors. The MAIN port is female, and the four sub-ports are male. The LT0009A-UTP also has five ports, but these

use RJ-45 connectors. All five ports are female.

To ensure proper operation, you'll need to use a Relay Tool (see the Ordering Information section, below) during the initial setup.

The Lobe Access Unit is small, lightweight, and easy to install. It's compatible with IBM Token Ring and complies with IEEE 802.5. No strapping adjustments or external power supply are required.

Specifications

Operating Voltage — 4.5± 0.7 volts

Operating Current — 1.0 mA @ 5 VDC

Resistance TX to RX — 4.8±0.2 kΩ

Insertion Time — 5 seconds

Removal Time — 50 to 200 msec

Return Loss (Minimum) —
1-6 MHz: 20 dB;
6-12 MHz: 14 dB;
12-24 MHz: 11 dB

Common Mode Rejection (Minimum) —
1-6 MHz: 40 dB;
6-12 MHz: 28 dB;
12-12 MHz: 25 dB

Electrical Connectors —
LT0009A: MAIN: (1) DB9 female; SUB-1 through -4:

(1) DB9 male each;
LT0009A-UTP: MAIN:
(1) RJ-45 female; SUB-1 through -4: (1) RJ-45 female each

Indicators — (4) Red LEDs; lobe activity

MTBF — 98,398 hours

Compliance — FCC Part A; CE certified; Complies with EMC EN 55022 (1994), EN 50082-1 (1992), and EMC Directive 89/336/EEC

Operating Temperature — 0 to 50°C

Relative Humidity Tolerance — 10 to 90%, noncondensing

Size — 3.6 x 11.2 x 18.5 cm

Weight — 0.4 kg

For these and other components...

Call our expert Technical Support Staff for all your LAN 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
Lobe Access Units	
AUI.....	LT0009A
RJ-45.....	LT0009A-UTP
<i>You will also need...</i>	
Relay Tool.....	LT037