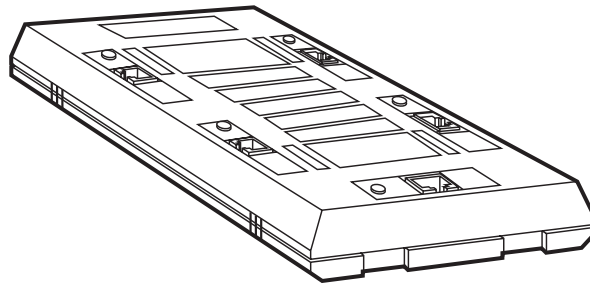


# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### Smart Lobe Access Unit



*Double or quadruple a single lobe's capacity!*

#### Key Features

- ▶ Models available for ordinary or screened UTP.
- ▶ Data rates of 4 or 16 Mbps—switch-selectable.
- ▶ Uses wire-fault detection.

#### Overview

**C**onnect two or four token-ring workstations to a single lobe with the Smart Lobe Access Unit. You save on cabling and installation costs by adding workstations to the ring without adding extra lobe cables to the central hub.

Four Smart Lobe Access Unit models are available: 2- and 4-port versions for either ordinary UTP cabling or "screened" UTP cabling. (Screened UTP has some shielding, but has the same electrical characteristics as regular UTP cabling.) To get screened UTP cabling, you'll need to order stranded or solid, plenum-rated cable. (See the Ordering Information section, below.)

The Smart Lobe Access Units feature wire-fault detection, which senses any short, open, or illegal impedance in the main lobe connection. If a fault is detected, the Access Unit deinserts all connected workstations.

Power the Smart Lobe Access Unit from an external DC power adapter via the MAIN connector (requires 6-wire cabling) or via a modular power jack.

#### Specifications

**Input Voltage** — 11 to 35 VDC (12 VDC typical)

**Input Current** — 2-Port models: 100 mA@ 12 VDC; 4-Port models: 140 mA@ 12 VDC

**Operating Voltage** — 4.5± 0.7 volts

**Operating Current** — 2-Port models: 140 mA@ 5 VDC; 4-Port models: 240 mA@ 5 VDC; Phantom circuit: 1.0 mA @ 5 VDC

**Resistance TX to RX** — 4.8±0.2 kΩ

**Insertion Time** — 5 milliseconds (typical)

**Removal Time** — 5 milliseconds (typical)

**Jumper** — 4- or 16-Mbps rate selection (4M/16M)

**Electrical Connectors** — For UTP: MAIN and lobes: RJ-45 jack; For Screened UTP: MAIN and lobes: Shielded RJ-45 jack

**Indicators** — (3) or (5) Red LEDs, depending on which model you have

**Compliance** — FCC Part A; 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** — 3.8 x 11.4 x 18.5 cm

**Weight** — 340 g

#### 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
Smart Lobe Access Units	
2-Port, UTP .....	LT0007AE-2U
2-Port, Screened UTP .....	LT0007AE-2SU
4-Port, UTP .....	LT0007AE-4U
4-Port, Screened UTP .....	LT0007AE-4SU
<i>You may also need...</i>	
Stranded Cable.....	EVNSL60
Solid, Plenum-Rated Cable .....	EVNSL71