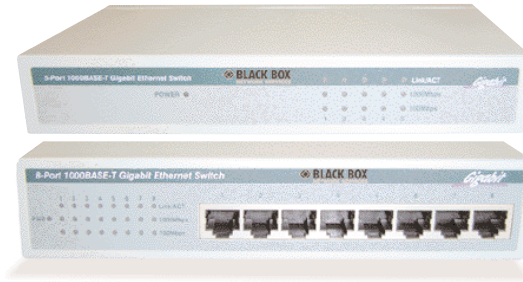




BLACK BOX[®]

NETWORK SERVICES

10/100/1000 Ethernet Switches



Top: LBS1005AE - Front view
Bottom: LBS1008AE - Rear view

Key Features

- ▶ 5/8 x 10/100/1000Mbps Auto-negotiation Gigabit Ethernet ports
- ▶ Auto MDI/MDI-X for each port
- ▶ Support Full/Half duplex transfer mode for 10/100Mbps
- ▶ Support Full duplex transfer mode for 1000Mbps
- ▶ Wire speed reception and transmission
- ▶ Store-and-Forward switching method Supports 8K MAC addresses
- ▶ Supports 256K Bytes RAM for data buffering
- ▶ Extensive front-panel diagnostic LEDs
- ▶ IEEE 802.3x flow control for full-duplex
- ▶ Back pressure flow control for half-duplex

Specifications

Standards—

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T

Network Media—

- Ethernet: 2-pair UTP Cat.3,4,5, up to 100M
- Fast Ethernet: 2-pair UTP Cat. 5, up to 100M
- Gigabit Ethernet: 4-pair UTP Cat. 5e, up to 100M

Protocol — CSMA/CD

Topology — Star

Number of Ports—

- LBS1005AE:
5 x 10/100/1000Mbps Auto-MDI/MDI-X port with RJ-45 connector
- LBS1008AE:
8 x 10/100/1000Mbps Auto-MDI/MDI-X port with RJ-45 connector

Network Data Transfer Rate—

- Ethernet:
- 10Mbps (Half-duplex)
- 20Mbps (Full-duplex)
- Fast Ethernet:
- 100Mbps (Half-duplex)
- 200Mbps (Full-duplex)

- Gigabit Ethernet:
2000Mbps (Full-duplex)

Data RAM Buffers—

- 256K Bytes per device

Filtering Address Table—

- 8K entries per device

Diagnostic LEDs—

- Per Unit: Power_Per Port:
Link/ACT, 1000Mbps, 100Mbps

Power Adapter—

- LBS1005AE: DC 7.5V/1.5A
- LBS1008AE: DC 5V/2.4A

Power Consumption—

- LBS1005AE: 8.5 watts. (max.)
- LBS1008AE: 10.5 watts. (max.)

Dimensions (W x H x D, mm)—

- LBS1005AE: 171 x 29 x 98
- LBS1008AE: 190 x 38 x 120

Temperature—

- Operating: 0 ~ 40°C
- Storage: -10 ~ 70°C

Humidity—

- Operating: 10% ~ 90% RH
- Storage: 5% ~ 90% RH

Certification—

- FCC Class A
- CE mark Class A
- VCCI-A

Ordering information

ITEM	CODE
5-Port 10/100/1000BASE-T Gigabit Ethernet Switch	LBS1005AE
8-Port 10/100/1000BASE-T Gigabit Ethernet	LBS1008AE