BLACK BOX®
NETWORK SERVICES

8/16/24-Port Gigabit Core Switch

Key Features

▶ 8/16/24 10/100/1000Mbps-Ports Auto-negotiation Gigabit Ethernet ports.

▶ Auto MDI/MDI-X for each port.

▶ Wire speed reception and transmission.

▶ Store-and-Forward switching method.

▶ Integrated address Look-Up Engine, supports 32K absolute MAC addresses.

▶ 2MB RAM for data buffering.

▶ Extensive front-panel diagnostic LEDs.

▶ IEEE 802.3x flow control for full-duplex.

▶ Full/half duplex transfer mode for 10/100 BASE-T ports.

▶ Full duplex mode for 1000BASE-T port.

▶ Back pressure and IEEE 802.3x compliant flow control.

Unmanaged 16-Port 10/100/1000Mbps

The LBS209AE, LBS1216AE and LBS1224AE blend plug-n-play simplicity with exceptional performance and reliability, to create cost effective solution for bandwidth-starved workgroups and departments. With (8/16/24) 10/100/1000Mbps ports, this switch family is designed to help provide a simple and economical migration path from 10BASE-T or 100BASE-TX to 1000BASE-T Gigabit and deliver superior performance with exceptional value. It's an ideal solution for the most demanding bandwidth intensive applications and can be used as a cost effective gigabit wiring closet solution or a high performance backbone aggregation device.

Specifications

Standard — IEEE802.3 10BASE-T / 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T

Protocol — CSMA/CD

Network Media —
10Base-T Category 3,4,5 UTP twisted pair Cable
100Base-TX Category 5 UTP twisted pair Cable
1000Base-TX Category 5 UTP 4-pair Cable

Connector — 24 x 10/100/1000Mbps auto-MDI/MDIX port with RJ-45 connector

Network Data Transfer Rate —
Ethernet : 10/20Mbps (half/full duplex)
Fast Ethernet : 100/200Mbps (half/full duplex)
Gigabit Ethernet : 2000Mbps (full duplex)

LED indicators — System Power LED, individual port Link/ACT, 1000M, 100M

Dimension — (LxWxH)
LBS209AE: 266 x 160 x 44mm
LBS1216AE, LBS1224AE:
440 x 210 x 44mm

Temperature —
Operating: 0°C to 40°C
Storage: –10°C to 70°C

Humidity — Operating: 10% to 90% RH
Storage: 5% to 90% RH

Power — 100~240VAC, 50-60Hz internal switching power

Compliance — FCC, CE, Class A and VCCI-A

Ordering information

ITEM	CODE
Switch 8x10/100/1000Mbps	LBS209AE
Switch 16x10/100/1000Mbps	LBS1216AE
Switch 24x10/100/1000Mbps	LBS1224AE

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive techincal knowledge on-line, including technology overviews, BLACK BOX Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

BLACK BOX exclusives — Certification Plus. Guaranted-for-life products and services.