BLACK BOX®
NETWORK SERVICES

48-Port 10/100 Mbps Switch with Giga Uplink

Key Features

▶ Up to 13.6 Gbps aggregated bandwidth for demanding applications.

▶ (48) 10/100 Mbps auto-negotiation MDI/MDI-X RJ-45 ports.

▶ (2) optional slots for gigabit uplink modules or extra (8) 10/100 ports.

▶ Full wire speed switching performance.

▶ IEEE 802.3x Full-duplex flow control.

This LBS2048AE switch is ideal for large networks that require switches with high port densities, but without any management functionalities. This switch allows you to have up to (64) 10/100 ports in a single 1U-high chassis. The switch comes standard with (48) ports on the front panel. It also accepts a maximum of (2) modules of an extra (8) 10/100 ports each (p/n LBS2048C-8TX).
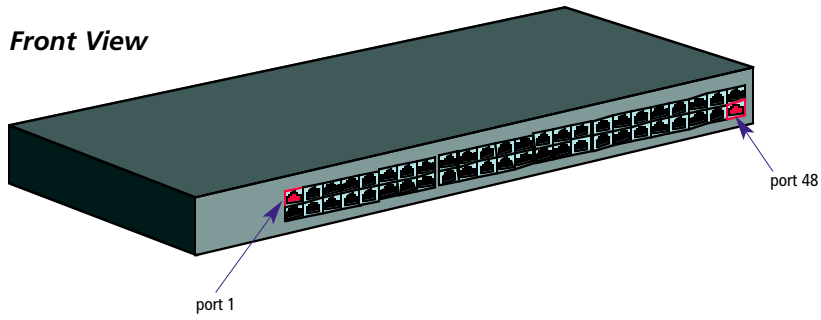
Apart from the 8-port 10/100 modules, Black Box offers you also a Single-port Copper Gigabit module (p/n LBS2048C-T); and a Single-port 1000Base-SX Fibre module (p/n LBS2048C-SXSC).
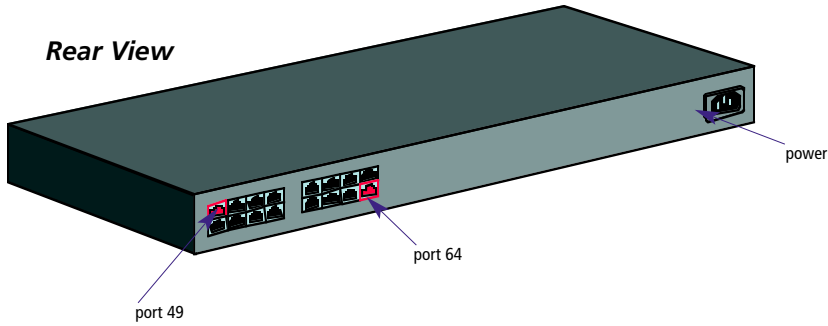
What's included:

- (1) Switch
- (1) Power Cord, 1.8-m
- (1) 19 inch Rackmount Kit
- (1) Printed Manual

64-port 10/100 Switch Application in 10 high form factor
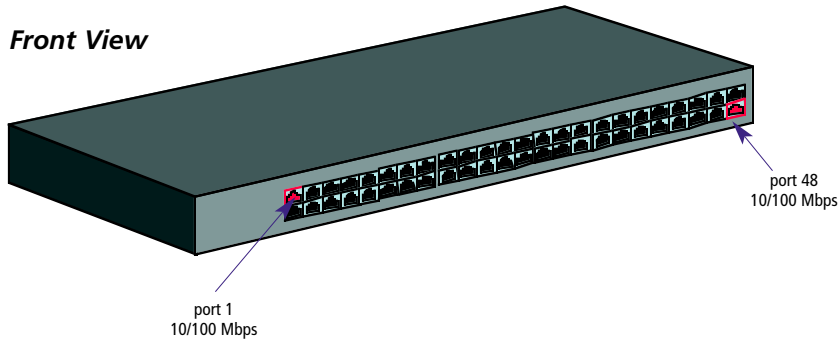*(LBS2048AE + (2) LBS2048C-TX)*
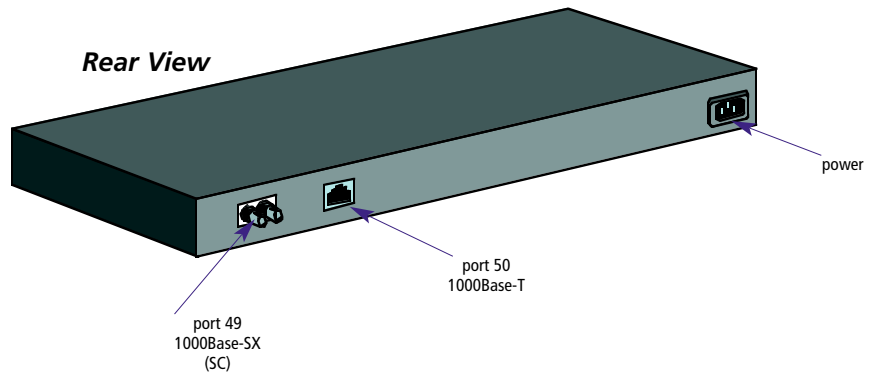
Front View

port 48

port 1

Rear View

power

port 64

port 49

48-port 10/100 Switch Application with 2 Gigabit Ethernet Uplinks
(LBS2048AE + LBS2048C-SXSC + LBS2048C-T)

Front View

port 48
10/100 Mbps

port 1
10/100 Mbps

Rear View

power

port 50
1000Base-T

port 49
1000Base-SX
(SC)

Specifications

Standards — IEEE 802.3 10Base-T Ethernet; IEEE 802.3u 100Base-TX, 100Base-FX Fast Ethernet; IEEE 802.3ab 1000Base-T Gigabit Ethernet; IEEE 802.3x Full-duplex flow control.
Switching Mechanism — Store-and-Forward
Indicators — Per port: LEDs indicating Link, FDX/HDX and Speed; Per switch: Power LED
Buffer Memory — 6.6MB
Packet Filtering/Forwarding rates — 1000-Mbps: 1,488,100 pps; 100-Mbps: 148,810 pps; 10-Mbps: 14,880 pps
MAC addresses — 12KB MAC address entries
Number of ports — (48) 10/100Mbps auto-negotiation

MDI/MDX ports; (2) empty slots at the rear
Connectors — LBS2048AE: (48) RJ-45 STP; LBS2048C-T: (1) RJ-45 STP; LBS2048C-SXSC: (1) duplex SC; LBS2048C-8TX: (8) RJ-45 STP
Temperature Tolerance — Operating: 0 to +45°C; Storage: -5 to +50°C
Humidity Tolerance — Operating: 10 to 90% non-condensing
Power — 100-240 VAC, 50-60 Hz
Size — 44H x 441W x 270D mm
Weight — 3.5 Kg
Safety and EMI certificates — CE & FCC-A

▼ *Ordering information*

ITEM	CODE
Switch	
48-Port 10/100 Switch with 2 empty slots	LBS2048AE
Modules	
1000Base-T module for LBS2048AE	LBS2048C-T
1000Base-SX module for LBS2048AE	LBS2048C-SXSC
8-port 10/100Base-TX module for LBS2048AE	LBS2048C-8TX

▼ 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 technical 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.

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