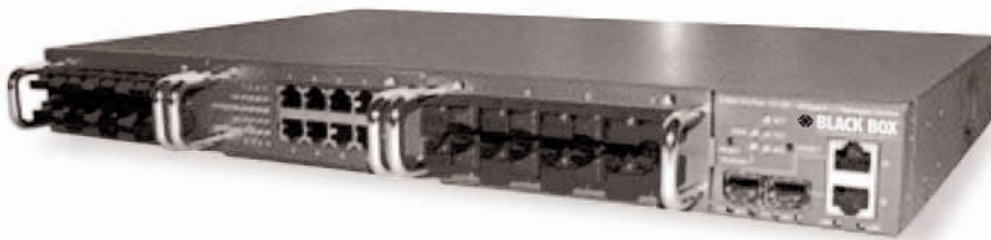


# L2 modular managed Ethernet Switch



## Key Features

- ▶ Offers 3 slots each for 8 10/100Mbps ports plus 1 Gigabit port and 1 miniGBIC (SFP) slot.
- ▶ Non blocking switching architecture.
- ▶ Web-based Management.
- ▶ Virtual Stacking Management (VSM) up to 16 devices.
- ▶ 802.1d/1w Rapid Spanning Tree (STP/RSTP).
- ▶ Port-mirroring function for network analysis.
- ▶ 802.ad LACP port trunking for up to 2 Fast Ethernet and 1 Gigabit Ethernet group.
- ▶ Supports 802.1w GVRP/GARP.
- ▶ Broadcast/Multicast/Unknown-Unicast Storm Control.
- ▶ 802.1q tagged VLAN & Port-based VLAN.
- ▶ 802.1p Quality of Service with 4 level priority queue, port- and ToS-classification.
- ▶ Secure with 802.1x Access Control.

This flexible modular switch improves today the bandwidth of your IEEE802.3/u/x/z Gigabit and Fast Ethernet Network. Tomorrow it is easily upgraded to your future needs without high investment.

The switch offers 3 slots for hot-swappable modules with 8 Fast Ethernet ports each and 2 shared Gigabit ports (SFP + 1000BaseTX). The 8-Port Fast Ethernet modules are available for copper, fibre and long distance attachments. They can be easily changed without influencing the switching activities on the remaining ports. The SFP slot can be accommodated with any of our MiniGBICs for additional: copper, multimode, single-mode or WDM fibre ports, as well as long distance fibre backbone attachments.

You can access the switch through an Ethernet port and a web-management unit to monitor, configure and control each port's activity.

In addition the switch provides a broad set of useful features including 802.1p Quality of Service supporting even sensitive real-time applications like VoIP.

Port Mirroring mechanism copies traffic from a specific port to a target port in order to track network errors or abnormal packet transmissions without

influencing the data flow.

If you need to increase the bandwidth between the switches, you can trunk together up to 2 Fast Ethernet and 1 Gigabit Ethernet group (with a maximum of 4 members each) providing very high full duplex speeds. If any port within a trunk fails, the packets are automatically routed to the remaining active ports.

VLAN, including the advanced 802.1Q-in1Q function, enables you to isolate traffic between different network users. So you can increase your network security and enhance the performance at the same time.

In mission critical environments you can configure a second switch with a redundant back-up path to guarantee transmission and reception of packets in case of any fail-over within the network.

Finally the state-of-the-art 802.1x Access Control provides utmost security for your network. You can limit user- or machine-identities for each port and in addition control the number of access stations.

On the whole this switch is a very flexible and cost-effective solution suitable for metro LAN and WAN applications.

## Specifications

**Standards** — IEEE 802.3, 802.3u, 802.1ab, 802.3z, 802.3x flow control, ANSI/IEEE802.3 autonegotiation, IEEE802.1q VLAN

**Buffer** — 256 KB

**Mac address** — 8 K

**Throughput max.** — 8.8 Gbps

**Rate limit** — port 1-24: 1K - 100Mbps  
port 25,26: 1K - 1000Mbps

**Network Connectors** — (3) Slots, (1) SFP, (1) 1000BaseTX, RJ45

**Indicators** — LEDs (power, CPU, Link, FDX, speed)

**Management** — SNMPv1, v2c (MIB II, Interface MIB, Address Translation MIB, IP MIB, ICMP MIB, TCP MIB, UDP MIB, SNMP MIB); RMON MIB (Statistics group 1, History group 2, Event group 9, Alarm group 3); Bridge MIB; Ethernet MIB; Enterprise MIB

**Power** — LB610A: 100 ~ 240 VAC, 50-60 Hz  
LB611A: 100 ~ 240 VAC, 50-60 Hz or -48VDC

**Consumption** — 40W

**Size** — LB610A: 45H x 442W x 280D mm;  
LB611A: 45H x 442W x 336D mm

**Environment**

**Temperature** — 0°C to 40°C

**Humidity** — 5% to 90%, non-condensing

**Certifications** — FCC Part 15A, CE, RoH

## Ordering information

### ITEM

### CODE

L2 Modular Switch with Management	
(3) slots + (1) 1000BaseTX + (1) SFPs slot , single power supply	.LB610A
(3) slots + (1) 1000BaseTX + (1) SFPs slot , with option for redundant power supply	.LB611A
Optional redundant power supplies for LB611A	
AC (100-240VAC, 50-60Hz)	.LB611C-AC
DC (-48VDC)	.LB611C-DC
8-Port Modules	
10/100BaseTX, RJ45	.LB620C
100BaseFX, MM SC	.LB621C
100BaseFX, MM ST	.LB622C
100BaseFX, MM SC, 20km	.LB623C
SFP Modules	
Mini GBIC (SFP) for 1000BaseT (Copper)	.LBG200C-T
Mini GBIC (SFP) for 1000BaseSX (Multimode)	.LBG200C-MLC
Mini GBIC (SFP) for 1000BaseLX (Singlemode)	.LBG200C-SLC
Mini-GBIC (SFP) for 1000BaseZX (Singlemode)	.LBG200C-SZC
Mini GBIC (SFP) for WDM 1310TX/1550RX	.LBG200C-BIDI1
Mini GBIC (SFP) for WDM 1310RX/1550TX	.LBG200C-BIDI2

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