BLACK BOX®
NETWORK SERVICES

L2 modular managed Ethernet Switch

Key Features

- **Offers 8 10/100/1000BaseT ports plus 16 miniGBIC (SFP) slots.**

- **Non blocking switching achitecure.**

- **Management directly through RS232-port or web based management with SNMP-agent.**

- **Virtual Stacking Management (VSM) up to 16 devices.**

- **802.1d/1w Rapid Spanning Tree (STP/RSTP).**

- **Port-mirroring function for network analyses.**

- **LACP port trunking for up to 8 trunking groups with up to 12 ports for each group.**

- **Supports 802.1q GVRP/GARP.**

- **Broadcast/Multicast Storm Control.**

- **802.1q tagged VLAN & Port-based VLAN.**

- **Jumbo frame support up to 9K.**

- **802.1p Quality of Service with 2 level priority queue, L4 TCP/UDP port- and ToS-classification.**

- **Secure with 802.1x Access Control.**

This managed Layer 2 Ethernet Switch improves the bandwidth of your IEEE802.3/u/x/z Gigabit and Fast Ethernet Networks.

The switch is equipped with 8 autosensing 10/100/1000 Mbps RJ45-ports and 16 1000Base-X Gigabit Ethernet miniGBIC ports (SFPs). These SFP ports can be accomodated with any of our MiniGBICs for additional: copper, multimode, single-mode or WDM fibre ports, as well as long distance fiber backbone attachments.

The switch is manageable via the serial RS232 port with a direct connection or remotely using the integrated CLI- or web-based management unit with an attached SNMP-agent. So you can logon to the switch to monitor, configure and control each port's activity comfortably.

In addition the switch provides a broad set of useful features including 802.1p Quality of Service supporting even sensitve 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 bandwith between the switches, you can trunk together up to 12 Gigabit ports per trunk providing very high full duplex speeds.

VLAN, including the advanved 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 critial 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 addtion control the number of access stations.

On the whole this switch is a convenient and cost-effective solution suitable for metro LAN and office applications.

Specifications

Standards — IEEE 802.3, 802.3u, 802.1ab, 802.3z, 802.3x, ANSI/IEEE802.3 autonegotiation, IEEE802.1q VLAN, 802.1p
Buffer — 400 KB
Mac address — 8 K
Network Connectors — (8) RJ45, (16) SFPs
Indicators — LEDs (power, Link Activity 10/100/1000Mbps, Link Activity SFPs,

System Configuration — SNMPv1, v2c (MIB II, IP MIB, ICMP MIB, TCP MIB, UDP MIB, SNMP MIB, RMON MIB, Statistics group1, History group 2, Event group9, bridge MIB, Ethernet MIB, Enterprise MIB)

Power — 100 ~ 240 VAC, 50-60 Hz
Consumption — 50W
Size — 44H x 442W x 209D mm

Environment
Temperature — 0°C to 50°C
Humidity — 5% to 90%, non-condensing

Certifications — FCC Part 15A, CE, RoHS

Ordering information

ITEM	CODE
L2 Managed Gigabit Switch	
8x10/100/1000BaseT + 16x shared SFPs 1000Base-X LGB1005A	
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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