BLACK BOX®
NETWORK SERVICES

Product Data Sheet

8-Port Gigabit Web Smart Switch

Overview

The LGB708A-R2 switch has eight 10/100/1000BASE-T(X) ports plus two Gigabit SFP open slots. It's easy to install and performs well in an environment where traffic on the network and the number of users increase continuously. The compact desktop size was specifically designed for small to medium workgroups. It can be installed where space is limited; plus, it provides smooth network migration and easy upgrade to network capacity.

In addition, the switch features QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Port Security, and IGMP Snooping capability via the intelligent software. Use it for both metro-LAN and office applications. The switch mounts on a desktop or in a 10"/19" rack or cabinet.
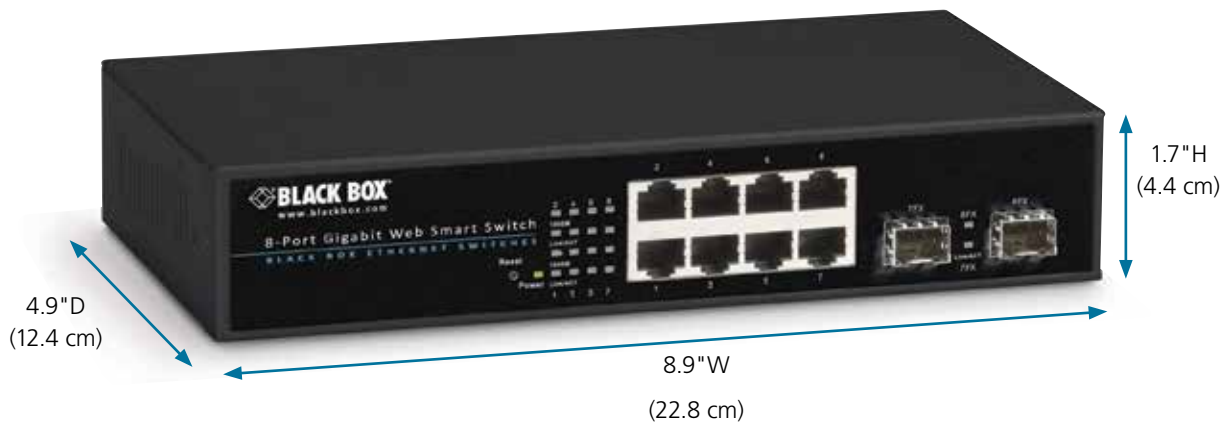
Basic Features

- Supports high-speed networking for flexible, high-bandwidth connectivity to servers, workstations, and other devices. Plus, 9.6 K jumbo frames improve large file transfer integrity.
- Provides extra protection on the network edge.
- You can access the configuration interface remotely via a password.
- This smart switch is ideal for simple QoS/CoS applications.
- Basic monitoring tools improve network efficiency.
- Security and management features, such as bandwidth control and VLAN (IEEE 802.1Q VLAN tagging and port-based VLAN) secure your network.
- Through a Web-based interface, administrators can set up VLANs to segregate traffic, QoS to prioritize mission-critical data, and link aggregation to create fat traffic pipelines.
- Rapid Spanning Tree detects and breaks unintentional cabling loops within the network.
- Advanced security features include specific MAC address filtering for each port. Plus, only identifiers can pass through the specific ports. Supports IEEE 802.1x port authentication.
- Web management utility GUI provides valuable tools, including Configuration List, Monitoring List and Statistic View, and Maintenance List.
- Auto-MDI/MDI-X ensures that every port can automatically detect and adapt to your cable, so no crossover cables are needed.
- Auto-Negotiation detects and adjusts to network speed of 10 Mbps or 100 Mbps and half-/full-duplex mode.
- Non-blocking wire-speed means every port simultaneously supports up to 2000 Mbps in full-duplex mode.
- Store-and-forward function maximizes network performance while minimizing propagation of bad network packets.

Specifications

Buffer Memory	176 KB
Jumbo Frames	9.6 K
MAC Addresses	8 K

Smart Features	VLAN: 16;
	Trunk Groups: 4;
	Quality of Service;
	IGMP Snooping;
	LACP, RSTP;
	Rate Limiting;
	802.1x Port-Based Security;
	Management:
	    Port Mirroring,
	    Password-Protected Access,
	    Port Settings,
	    Web-Based Management,
	    Graphic User Interface

Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.ab 1000BASE-T, IEEE 802.3z 1000BASE-SX/LX, IEEE 802.3x flow control, IEEE 802.1x port-based network access control, IEEE 802.1Q VLAN tagging, IEEE 802.3ad port aggregation, IEEE 802.1d spanning tree protocol, IEEE 802.1w rapid spanning tree protocol, IEEE 802.1p class of service, priority protocols
Transmission Method	Store-and-Forward
Connectors	(8) RJ-45 10/100/1000BASE-T(X), (2) Gigabit SFP open slots
Indicators	(17) LEDs: Per port: (1) Link/Act LED, (1) 1000M LED; Per unit: (1) Power LED
Power	100–240 VAC, 50–60 Hz; Consumption: 12 watts (max.)
Dimensions	1.7"H x 8.9"W x 4.9"D x (4.4 x 22.8 x 12.4 cm)
Weight	2.1 lb. (0.95 kg)
Approvals	Switch and power supply: FCC, CE, RoHS; Only the power supply has UL; EN55022:2010:Class A; IEC61000-3-2:2005+A1:2008+A2:2009; IEC61000-3-3:2008; EN55024:2010; IEC61000-4-2:2008; IEC61000-4-3:2006+A1:2007+A2:2010; IEC61000-4.4:2004+A1:2010; IEC61000-4-5:2005; IEC61000-4-6:2008; IEC61000-4-8:2009; IEC61000-4-11:2004; EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013-S

Dimensional diagram of the 8-Port Gigabit Web Smart Switch.

1.7"H
(4.4 cm)

4.9"D
(12.4 cm)

8.9"W

(22.8 cm)

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