Green Ethernet Smart Switches

- Lifetime warranty*
- 8/16/24/48 gigabit Ethernet ports
- SFP ports compatible with 1000BASE-SX and 1000BASE-LX transceivers[†]
- 802.3az Green Ethernet technology
- HTTP/HTTPS secure web management
- VLAN support
- SNMP support
- Port trunking
- STP support
- DHCP snooping
- Durable metal chassis
- Internal power supply[†]
- Full duplex operation offers switching capacity of up to 16/32/48/96 Gbps
- Auto-MDIX provides fast plug and play setup with any Ethernet cable
- Automatic energy conservation feature reduces total power consumption
- Fanless, compact design offers silent and reliable operation**
- Easily mount in a rack[†] or on a wall, or place it on a desktop

*Requires product registration within 90 days of purchase

[†]Not available on BS-GS2008 model

**Not available on BS-GS2048 model

WARRANTY LIFETIME WARRANTY

24/7 TECH SUPPORT | LIFETIME WARRANTY*

(866) 752-6210 | USA & Canada Only

www.BuffaloAmericas.com

Multi-Port Gigabit Web Smart Switches

Buffalo's BS-GS Series of Multi-Port Gigabit Smart Switches offer an easy and cost-effective way to extend your business network at gigabit speeds with advanced management features. Plug and play installation requires no additional software or configuration; each auto-sensing gigabit port automatically detects and configures the correct connection while available SFP slots on the BS-GS2016, BS-GS2024 and BS-GS2048 models offer fiber connectivity. Jumbo frame support and full duplex operation provide maximum performance for a total switching capacity up to 16 Gbps on the BS-GS2008, up to 32 Gbps on the BS-GS2016, up to 48 Gbps on the BS-GS2024 and up to 96 Gbps on the BS-GS2048.

Buffalo's Multi-Port Gigabit Smart Switches provide a host of comprehensive HTTP/HTTPS web-based network management features including VLAN, SNMP, port trunking/link aggregation, DHCP snooping, STP support and 802.1p QoS. Along with 802.3az Green Ethernet technology, the BS-GS Series includes an energy conservation feature that monitors the activity status of each port to reduce the total power consumed.

Gigabit speeds, eco-minded operation, performance-minded features and a lifetime warranty make Buffalo's BS-GS Series of Multi-Port Gigabit Smart Switches a perfect network extension solution for your office.

PRODUCT SPECIFICATIONS

MODELS	BS-GS2008	BS-GS2016	BS-GS2024	BS-GS2048
LAN INTERFACE				
Number of Ports	8	16 (2 SFP ports)	24 (2 SFP ports)	48 (4 SFP ports)
PERFORMANCE				
Switching Capacity	16 Gbps	32 Gbps	48 Gbps	96 Gbps
Buffer Memory	1.5 MB	1.5 MB	1.5 MB	3 MB
ENVIRONMENTAL & POWER				
Power	External AC 100-240V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz
Power Consumption	Max 10.6W	Max 14.6W	Max 18.6W	Max 38.3W
PoE Budget	N/A	N/A	N/A	N/A
Operating Temperature	32˚ - 122˚F (0˚ - 50˚C)	32˚ - 122˚F (0˚ - 50˚C)	32˚ - 122˚F (0˚ - 50˚C)	32˚ - 122˚F (0˚ - 50˚C)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing	10 - 85% non-condensing
SHIPPING				
Dimensions (LxWxH)	6.97 x 4.06 x 0.83 in	12.99 x 9.09 x 1.69 in	17.32 x 10.11 x 1.69 in	17.32 x 10.11 x 1.69 in
Weight	1.15 lbs	4.85 lbs	6.8 lbs	8.26 lbs

INTERFACE SPECIFICATIONS

Standard Compliance	IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T), IEEE802.1D Spanning Tree Protocol, IEEE802.1w Rapid Spanning Tree Protocol, IEEE802.1p Class of Service, Priority Protocol, IEEE802.1Q VLANs, IEEE802.3ad (LACP), IEEE802.3az, AUTO-MDIX
Flow Control	IEEE802.3x
Connector	RJ-45 8-pin connector (shielded)

PERFORMANCE

Data Transfer Rates	10/100/1000 Mbps
Transmission Speeds	1000 Mbps (1000 BASE-T), 100 Mbps (100 BASE-TX), 10 Mbps (10 BASE-T)
Switching Method	Store & Forward
Jumbo Frame	9,216 Bytes (Header 14 Bytes + FCS 4 Bytes inclusive)
Transfer Encryption Method	8B1Q4/4D-PAM5 (1000 BASE-T), 4B5B/MLT-3 (100 BASE-TX), Manchester encoding (10 BASE-T)
Access Method	CSMA/CD
Data Transfer Speed	1,488,095 packets/second (1000 BASE-T), 148,810 packets/second (100 BASE-TX), 14,881 packets/second (10 BASE-T)
MAC Address Table	16,384 (Self Learning)
Aging Time	Default 300 seconds

OTHER FUNCTIONS

Spanning tree (IEEE802.1D / 1w) support, port-based VLAN / multiple VLAN / tag VLAN (IEEE802.1Q), broadcast / multicast storm control, QoS (port-based /IEEE802.1p/DSCP / IP Precedence 8 level), Port trunking up to 8 ports per group (LACP), Max support for 8 LACP groups, Port mirroring, HOL blocking, Loop prevention, IGMP Snooping v1 / v2, Secondary RADIUS server support in authentication, IEEE802.1X, DHCP client, SNTP client LLDP, MAC Address filtering, Auto DoS Attack Prevention, DHCP Snooping, IP/MAC ACL, Dual Image, Syslog

REGULATIONS

Acquired Standards	VCCI Class A, UL60950-1, FCC Class A, Canada IC Class A, VCCI Class B, FCC Class B, Canada IC Class B, UL

ACCESSORIES

Optional SFP Modules	BS-SFP-GSR (coming soon), BS-SFP-GLR (coming soon)
Compatible Cables	10BASE-T: Category 3 or higher, 100BASE-TX: 5 or more category, 1000BASE-T: Category 5e or better

BOX CONTENTS

Multi-Port Gigabit Smart Switch, Power Cable, AC adapter*, Rubber feet, 19-inch rack brackets[†], Bracket screws[†], Rack immobilization screws[†], Serial Number stickers, Manual, Warranty Statement

* BS-GS2008 only, [†]Not available on BS-BS2008 model