Green Ethernet Smart Switches

Multi-Port Gigabit PoE Web Smart Switches

- Lifetime warranty*
- 8/16/24 gigabit Ethernet ports
- 8/16/24 802.3 at PoE+ ports (30W / port)
- 90W max PoE budget on BS-GS2008P, 180W max PoE budget on BS-GS2016P and BS-GS2024P
- 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 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-GS2008P model

Buffalo's BS-GSP Series of Multi-Port Gigabit PoE Smart Switches offer an easy and cost-effective way to extend your business network at gigabit speeds with advanced management features and the convenience of Power over Ethernet. 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-GS2016P and BS-GS2024P 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-GS2008P, up to 32 Gbps on the BS-GS2016P and up to 48 Gbps on the BS-GS2024P.

Buffalo's Multi-Port Gigabit PoE 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-GSP 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-GSP Series of Multi-Port Gigabit PoE Smart Switches a perfect network extension solution for your office.

24/7 TECH SUPPORT | LIFETIME WARRANTY*
(866) 752-6210 | USA & Canada Only

www.BuffaloAmericas.com

PRODUCT SPECIFICATIONS

MODELS	BS-GS2008P	BS-GS2016P	BS-GS2024P
LAN INTERFACE			
Number of Ports	8 x 802.3at PoE+	16 x 802.3at PoE+ (2 SFP ports)	24 x 802.3at PoE+ (2 SFP ports)
PERFORMANCE			
Switching Capacity	16 Gbps	32 Gbps	48 Gbps
Buffer Memory	3 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
Power Consumption	Max 10.6W	Max 14.6W	Max 18.6W
PoE Budget	30W / port, Max 90W	30W / port, Max 180W	30W / port, Max 180W
Operating Temperature	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
SHIPPING			
Dimensions (LxWxH)	8.46 x 5.12 x 1.69 in	12.99 x 9.09 x 1.69 in	17.32 x 10.11 x 1.69 in
Weight	1.83 lbs	6.35 lbs	8.28 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, IEEE802.3af (PoE), IEEE802.3at (PoE+), 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 A, FCC Class A, Canada IC Class A, 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 PoE Smart Switch, Power Cable, AC adapter*, Rubber feet, 19-inch rack brackets[†], Bracket screws[†], Rack immobilization screws[†], Serial Number stickers, Manual, Warranty Statement

* BS-GS2008P only, [†]Not available on BS-BS2008P model