

BS-GSP Series

BS-GS2008P, BS-GS2016P, BS-GS2024P



Multi-Port Gigabit PoE+ Web Smart Switches

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 gigabit port automatically detects and configures by auto-sensing 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 bandwidth 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.

Features and Benefits

- Lifetime warranty*
- 8/16/24 gigabit Ethernet ports
- 8/16/24 802.3at 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 16/32/48Gbps
- Auto-MDIX provides fast plug and play setup with any Ethernet cable
- Automatic energy conservation feature reduces total power consumption
- 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

About BUFFALO

BUFFALO is a leading global provider of award-winning storage, networking and multimedia solutions for the home and small business environments as well as for system builders and integrators. With more than four decades of networking and computer peripheral experience, BUFFALO has proven its commitment to delivering innovative solutions that have put the company at the forefront of infrastructure technology.

Specifications

Models	BS-GS2008P	BS-GS2016P	BS-GS2024P
LAN Interface			
Number of Ports	8 x LAN PoE	16 x LAN PoE + 2 x SFP	24 x LAN PoE + 2 x SFP
Performance			
Bandwidth	16 Gbps	32 Gbps	48 Gbps
Buffer Memory	1.5 MB	1.5 MB	1.5 MB
Environmental & Power			
Power	External AC 100-240 V, 50/60 Hz	Internal AC 100-240 V, 50/60 Hz	Internal AC 100-240 V, 50/60 Hz
Power Consumption	Max. 117.9 W	Max. 243.9 W	Max. 248.9 W
PoE Budget	30 W/port, Max. 90 W, Mode A	30 W/port, Max. 180 W, Mode A	30 W/port, Max. 180 W, Mode A
Operating Temperature	0° - 50°C	0° - 50°C	0° - 50°C
Operating Humidity	10 - 85 % non-condensing	10 - 85 % non-condensing	10 - 85 % non-condensing
Dimensions / Weight			
Dimensions (LxWxH)	215 x 130 x 43 mm	330 x 231 x 43 mm	440 x 257 x 43 mm
Weight	0.8 kg	2.8 kg	3.7 kg
Interface Specifications			
Standard Compliance	IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T), IEEE802.3ad (LACP), IEEE802.3az, IEEE802.3af (PoE), IEEE802.3at (PoE+), IEEE802.1D Spanning Tree Protocol, IEEE802.1w Rapid Spanning Tree Protocol, IEEE802.1p Class of Service, Priority Protocol, IEEE802.1Q VLANs, AUTO-MDIX		
Data flow control	IEEE802.3x		
Ports	RJ-45 8-pin (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)		
Transmission Coding Method	8B1Q4/4D-PAM5 (1000 BASE-T), 4B5B/MLT-3 (100 BASE-TX), Manchester encoding (10 BASE-T)		
Access Method	CSMA/CD		
Data Transfer Rate (throughput)	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			
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, DHCP Snooping, Secondary RADIUS server support in authentication, IEEE802.1X, DHCP client, SNMP client LLDP, MAC Address filtering, Auto DoS Attack Prevention, IP/MAC ACL, Dual Image, Syslog		
Regulations			
Acquired Standards	CE		
Accessories			
Compatible Cables	10BASE-T: Cat 3 cable or higher, 100BASE-TX: Cat 5 cable or higher, 1000BASE-T: Cat 5e cable or higher		
Box Contents			
	Multi-Port Gigabit Smart Switch, Power Cable, Power Supply*, 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