

BS-GU/BS-GUP Series

BS-GU2005, BS-GU2008, BS-GU2016,
BS-GU2024; BS-GU2005P, BS-GU2008P,
BS-GU2016P



Multi-Port Gigabit Unmanaged Switches

Buffalo's BS-GU series of multi-port gigabit switches and BS-GUP series of multi-port gigabit PoE 802.3af switches offer an easy and cost-effective way to extend your business network at gigabit speeds and the convenience of Power over Ethernet 802.3af (BS-GUP series). Plug and play installation requires no additional software or configuration; each gigabit port automatically detects and configures by autosensing the correct connection while full duplex operation and optional jumbo frame support provide maximum performance.

Buffalo's multi-port gigabit switches include power saving features like 802.3az Green Ethernet technology and an energy conservation feature that monitors the activity status of each port to reduce the total power consumed, therefore reducing related operational costs.

Gigabit speeds, eco-minded features and a lifetime warranty make Buffalo's BS-GU and BS-GUP series of multi-port gigabit switches a perfect network extension solution for your office.

Features and Benefits

- Lifetime warranty*
- 5/8/16/24 gigabit Ethernet ports
- 802.3az Green Ethernet technology
- Automatic energy conservation feature reduces total power consumption
- Loop prevention or detection (depending on model)
- Auto-MDIX provides fast plug and play setup with any Ethernet cable
- Durable metal chassis

- Compact design for reliable operation
- Internal power supply (BS-GU2005P & BS-GU2008P use external power supply)
- Easily mount on rack or wall or place on your desktop (16 and 24-port models are rack mountable)

* Requires product registration within 90 days of purchase

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

Series	BS-GU	BS-GUP
Number of Ports	BS-GU2005 (5-Port) BS-GU2008 (8-Port) BS-GU2016 (16-Port) BS-GU2024 (24-Port)	BS-GU2005P (5-Port, 4 x 802.3af PoE) BS-GU2008P (8-Port, 6 x 802.3af PoE) BS-GU2016P (16-Port, 12 x 802.3af PoE)
Performance		
Bandwidth	10 Gbps (BS-GU2005) 16 Gbps (BS-GU2008) 32 Gbps (BS-GU2016) 48 Gbps (BS-GU2024)	10 Gbps (BS-GU2005P) 16 Gbps (BS-GU2008P) 32 Gbps (BS-GU2016P)
Buffer Memory	128 KB (BS-GU2005 & BS-GU2008) 512 KB (BS-GU2016 & BS-GU2024)	128 KB (BS-GU2005P) 256 KB (BS-GU2008P) 512 KB (BS-GU2016P)
Environmental & Power		
Power Supply	Internal AC 100-240 V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz (BS-GU2016P) External AC 100-240V, 50/60 Hz (BS-GU2005P & BS-GU2008P)
Power Consumption	Max 2.9W (BS-GU2005) Max 4.0W (BS-GU2008) Max 9.1W (BS-GU2016) Max 13.5W (BS-GU2024)	Max 61W (BS-GU2005P) Max 60W (BS-GU2008P) Max 148W (BS-GU2016P)
PoE Budget	N/A	BS-GU2005P: 15.4 W/Port, Max. 50 W below 45°C, Max. 30 W from 45°C or higher BS-GU2008P: 15.4 W/Port, Max. 50 W below 40°C, Max. 30 W from 40°C or higher BS-GU2016P: 15.4 W/Port, Max. 120 W Mode A (all models)
Operating Environment	0° - 50°C, 10 - 85% air humidity (non-condensing)	0° - 50°C, 10 - 85% air humidity (non-condensing)
Loop Control		
	Loop detection (BS-GU2005 & BS-GU2008) Loop prevention (BS-GU2016 & BS-GU2024)	Loop prevention
Dimensions / Weight		
Dimensions (LxWxH) / Weight	180 x 102 x 30 mm / 0.46 kg (BS-GU2005) 180 x 102 x 30 mm / 0.54 kg (BS-GU2008) 215 x 130 x 43 mm / 1.1 kg (BS-GU2016) 300 x 180 x 43 mm / 1.6 kg (BS-GU2024)	177 x 31 x 103 mm / 0.5 kg (BS-GU2005P) 200 x 161 x 41 mm / 1 kg (BS-GU2008P) 330 x 231 x 43 mm / 2.5 kg (BS-GU2016P)
Interface Specifications		
Standard Compliance	IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T), AUTO-MDIX	
Data flow control	IEEE 802.3x (for full duplex operation), Back-Pressure (for half duplex operation)	
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	
Regulations		
Acquired Standards	CE, CB	
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 Switch, Power Cable, Power Supply**, Rubber feet, 19-inch rack brackets*, Bracket screws*, Rack immobilization screws*, Serial Number stickers, Manual, Warranty Statement	

*Rack mounting accessories not included with BS-GU2005, BS-GU2005P, BS-GU2008 or BS-GU2008P

**Only for BS-GU2005P & BS-GU2008P