

 **Green Ethernet
Gigabit Switches**

- 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
- Fanless, compact design offers silent and reliable operation
- Internal power supply
BS-GU2005P & BS-GU2008P uses 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 30 days of purchase



Multi-Port Gigabit Unmanaged Switches

Buffalo's BS-GU series of multi-port gigabit switches and BS-GUP series of multi-port gigabit PoE switches offer an easy and cost-effective way to extend your business network at gigabit speeds and the convenience of Power over Ethernet (BS-GUP series). Plug and play installation requires no additional software or configuration. Each auto-sensing gigabit port automatically detects and configures 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 perfection network extension solution for your office.

PRODUCT SPECIFICATIONS

SERIES	BS-GU	BS-GUP
MODELS	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		
Switching Capacity	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	256 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 100-240V, 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	15.4W/port, Max 50W (BS-GU2005P & BS-GU2008P) 15.4W/port, Max 120W (BS-GU2016P)
Operating Environment	32°-122°F (0°-50°C). 10-85% humidity (non-condensing)	32°-122°F (0°-50°C). 10-85% humidity (non-condensing)
LOOP CONTROL	Loop detection (BS-GU2005 & BS-GU2008) Loop prevention (BS-GU2016 & BS-GU2024)	Loop prevention
SHIPPING		
Dimensions / Weight	7.09 x 4.02 x 1.18 in. / 1.1 lbs. (BS-GU2005) 6.34 x 7.87 x 1.61 in. / 2.2 lbs. (BS-GU2008) 5.11 x 8.46 x 1.69 in. / 2.4 lbs. (BS-GU2016) 7.08 x 11.81 x 1.69 in. / 3.5 lbs. (BS-GU2024)	6.97 x 4.06x 1.22 in. / 1.1 lbs. (BS-GU2005P) 6.33 x 7.87 x 1.61 in. / 2.2 lbs. (BS-GU2008P) 9.09 x 12.99 x 1.69 in. / 5.5 lbs. (BS-GU2016P)

INTERFACE SPECIFICATIONS

Standards Compliance	IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T), 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	8,190 (Self Learning)
Aging Time	Default 300 seconds

ACCESSORIES

Compatible Cables	10BASE-T: Category 3 or higher, 100BASE-TX: 5 or more category, 1000BASE-T: Category 5e or better
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BOX CONTENTS

Multi-Port Gigabit Switch, Power Cable, 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