

 **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
- Internal power supply  
BS-GU2008P uses external power supply
- Fanless, compact design offers silent and reliable operation

\*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

MODELS	BS-GU2005	BS-GU2008	BS-GU2008P	BS-GU2016	BS-GU2016P	BS-GU2024
<b>LAN INTERFACE</b>						
Number of Ports	5	8	8 (6 x 802.3af PoE)	16	16 (12 x 802.3af PoE)	24
<b>PERFORMANCE</b>						
Switching Capacity	10 Gbps	16 Gbps	16 Gbps	32 Gbps	32 Gbps	48 Gbps
Buffer Memory	256 KB	256 KB	256 KB	512 KB	512 KB	512 KB
<b>ENVIRONMENTAL &amp; POWER</b>						
Power	Internal AC 100-240V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz	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 2.9W	Max 60W	Max 60W	Max 9.1W	Max 148W	Max 13.5W
PoE Budget	N/A	N/A	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)	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	10-85% non-condensing	10-85% non-condensing
<b>LOOP CONTROL</b>	detection	detection	prevention	prevention	prevention	prevention
<b>SHIPPING</b>						
Dimensions (LxWxH)	7.09 x 4.02 x 1.18 in	6.34 x 7.87 x 1.61 in	6.34 x 7.87 x 1.61 in	5.11 x 8.46 x 1.69 in	9.09 x 12.99 x 1.69 in	7.08 x 11.81 x 1.69 in
Weight	1.1 lbs	2.2 lbs	2.2 lbs	2.42 lbs	5.51 lbs	3.53 lbs

### INTERFACE SPECIFICATIONS

Standard 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

### OTHER FUNCTIONS

Loop detection or prevention, Power saving feature
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### 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
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### 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
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\*Rack mounting accessories not included with BS-GU2005, BS-GU2008 or BS-GU2008P