BUFFALO™

BS-XP20 Series
BS-XP2008, BS-XP2012

A COST-EFFECTIVE SMB SOLUTION

Buffalo's BS-XP20 series of 10GbE switches offers an easy, cost-effective and energy-efficient path to bring blazing fast speed into your network environment. BS-XP20 entry-level, layer 2 unmanaged switches provide true plug and play operation that eliminates any additional software or configuration work – it's as easy as plugging a network-ready device into one of the available Ethernet ports, and the BS-XP20 will automatically detect and configure the correct connection. Full duplex operation then ensures maximum data transfer speeds.

Recognizing that businesses are seeking to reduce their power consumption, especially by their technology assets, Buffalo has designed the BS-XP20 to be as power-efficient as possible. We have implemented IEEE standards and a couple of other innovative tools to monitor power demands and reduce electricity consumption whenever possible. With 10GbE speed, eco-minded operation, ease of use features and a lifetime warranty, the BS-XP20 switches are a great way for businesses to enter the 10GbE environment.

- 8 or 12 10GbE ports for fast network speeds

- Full duplex operation provides maximum performance

- IEEE 802.3az standard and Green Ethernet technology conserves energy usage by monitoring activity on each port to reduce total power consumed, and monitors network cable length to adjust power accordingly

- Automatic energy conservation feature reduces total power consumption

- BS-XP20 switches automatically detect and configure the correct connection for each port, eliminating need to manually configure connections

- Easily mounts in a rack, on a wall, or on desktop. Rubber feet and rails are included with all models.

- Internal power supply eliminates "wall warts" and simplifies cable management

- Durable metal chassis

- Lifetime warranty*

AT BUFFALO, WE'RE ALWAYS ON

We're working hard at Buffalo to make technology painless for customers. That starts with designing products that are reliable and easy to deploy. Our 24/7 US-based support experts can help de-mystify technology and select the solutions that are right for your business. We're also available to resolve questions that may come up during installation or once the solution has been implemented. Our goal is to make things easier for you and to help you be successful – give us a call!
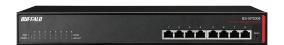
*Lifetime warranty upon registration within 90 days of purchase

MODELS	BS-XP2008	BS-XP2012
LAN INTERFACE		
Number of Ports	8 x IEEE802.3an (10GBASE-T)	12 x IEEE802.3an (10GBASE-T)
PERFORMANCE		
Switching Capacity	160 Gbps	240 Gbps
Buer Memory	2 MB	2 MB
ENVIRONMENTAL & POWER		
Power	Internal AC 100-240V, 50/60 Hz	Internal AC 100-240V, 50/60 Hz
Power Consumption	Max 38W	Max 50W
Operating Temperature	32° - 122°F (0° - 50°C)	32° - 122°F (0° - 50°C)
Operating Humidity	10 - 85% non-condensing	10 - 85% non-condensing
SHIPPING		
Package Dimensions (LxWxH)	15.98 x 11.97 x 4.17 in	15.98 x 11.97 x 4.17 in
Package Weight	7.05 lbs	7.72 lbs
INTERFACE SPECIFICATIONS		
Standard Compliance	IEEE802.3an (10GBASE-T),IEEE802.3ab (1000BASE-T),IEEE802.3u (100BASE-TX), IEEE802.3az EEE Idlingstop, Auto-MDIX	
Flow Control	IEEE802.3x	
Connector	RJ-45 8-pin connector	
PERFORMANCE		
Data Transfer Rates	10Gbps (10GBASE-T), 1000Mbps (1000BASE-T), 100Mbps (100BASE-TX)	
Switching Method	Store and forward	
Jumbo Frame	JumboFrame9, 216 Bytes (14 byte header + 4 byte FCS inclusive)	
Transfer Encryption Method	DSQ128 (10GBASE-T), 8B1Q4/4D-PAM5 (1000 BASE-T), 4B5B/MLT-3 (100 BASE-TX)	
MAC Address Table	16,000 (Self Learning)	
Aging Time	300 seconds	
OTHER FUNCTIONS	QoS (IEEE802.1p/ COS/ TOS/ DSCP), Loop Prevention, Multiple VLAN, VLAN tagging, Port Trunking, Port Mirroring, IGMP Snooping v1/v2/v3, IGMP querier, DHCP client	
REGULATIONS		
Acquired Standards	VCCI ClassA, FCC/IC ClassA, UL, CE, CB	
ACCESSORIES		
Optional SFP Modules	SFP not compatible	
Compatible Cables	10GBASE-T: Category 6A or higher 1000BASE-T: Category 5e or higher 100BASE-TX: 5 or more category	
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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