



# BS-MP20 Series

BS-MP2008, BS-MP2012



## FINALLY, A VALUE SWITCH SCALABLE TO 10GbE

The BS-MP20 is a multi gigabit business switch built upon the 802.3bz standard, which positions small businesses to maximize current network infrastructure while preparing them for later transition to 10GbE. The primary advantage of the 802.3bz standard is the flexibility to support 2.5, 5 and 10GBASE-T networks through the same switch.

Most small businesses have existing network infrastructure that will not support 10GbE requirements. BS-MP20 allows these businesses to achieve faster throughput at 2.5 and 5GbE with basic Cat 5e cabling. By using the intermediate speeds supported in BS-MP20 businesses can take advantage of up to 5x increased bandwidth over existing 1GbE infrastructure while planning future network improvements. To transition to 10GbE networking in a cost effective manner, this switch is a perfect complement to the TeraStation 5010 line of NAS devices which features up to 2 native 10GbE ports.

The BS-MP20 series features a compact design that can sit on a desktop, mounted on a wall or in a rack. Additionally, the chassis design supports noise reduction. To simplify installation, Buffalo includes rubber feet for desktop use and rails for rack-mounting, making the BS-MP20 a snap to setup. BS-MP20 is available in 8-port and 12-port options.

Buffalo engineers ensure plug and play installation means just that, and no additional software or configuration is required. Customers can simply plug in their network-ready devices, and the BS-MP20 switch will configure the correct connection. Each port automatically detects and configures the correct connection while full duplex operation provides maximum performance.

- **8 or 12 ports for fast multi-gigabit network speeds**
- **Full duplex operation provides maximum performance**
- **IEEE 802.3az standard (Green Ethernet technology) for reduced power consumption**
- **Automatic energy conservation feature reduces total power consumption**
- **Durable metal chassis**
- **BS-MP20 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**
- **Multi gigabit options of 2.5, 5, and 10 GbE speeds**



## 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!

# PRODUCT SPECIFICATIONS

**BUFFALO**™

MODELS	BS-MP2008	BS-MP2012
<b>LAN INTERFACE</b>		
Number of Ports	8 x 10GBASE-T	12 x 10GBASE-T
<b>PERFORMANCE</b>		
Switching Capacity	160 Gbps	240 Gbps
Buffer Memory	2 MB	2 MB
<b>ENVIRONMENTAL &amp; POWER</b>		
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
<b>SHIPPING</b>		
Unit Dimensions (LxWxH)	9.06 x 12.99 x 1.73 in	9.06 x 12.99 x 1.73
Unit Weight	5.29 lbs	5.67 lbs
Package Dimensions (LxWxH)	11.97 x 15.98 x 4.17 in	11.97 x 15.98 x 4.17 in
Package Weight	7.05 lbs	7.72 lbs
<b>INTERFACE SPECIFICATIONS</b>		
Standard Compliance	IEEE802.3an (10GBASE-T), IEEE802.3bz (2.5GBASE-T & 5GBASE-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	
<b>PERFORMANCE</b>		
Data Transfer Rates	10Gbps (10GBASE-T), 5Gbps (5GBASE-T), 2.5Gbps (2.5GBASE-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	
<b>OTHER FUNCTIONS</b>	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	
<b>REGULATIONS</b>		
Acquired Standards	VCCI ClassA, FCC/IC ClassA, UL, CE, CB	
<b>ACCESSORIES</b>		
Optional SFP Modules	SFP not compatible	
Compatible Cables	10BASE-T: Category 10" G"BASE-T or higher 1000BASE-T/2.5GBASE-T/5GBASE-T: Category 5e or higher 100BASE-TX: 5 or more category	
<b>BOX CONTENTS</b>	Multi-Port Gigabit Switch, Power Cable, Rubber feet, 19-inch rack brackets, Bracket screws, Rack immobilization screws, Serial Number stickers, Manual, Warranty Statement	

## BS-MP Series



©2016 BUFFALO INC. All rights reserved. BUFFALO and BUFFALO logo are either trademarks or registered trademarks of MELCO HOLDINGS INC. TeraStation is a trademark of BUFFALO INC. Microsoft Windows and Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Mac OS is a trademark of Apple Inc., registered in the U.S. and other countries. The names and logos of other companies mentioned herein belong to their respective owners.