



MG-10G Series



10GBase-SX LX SFP+ Modules

The MG-10G series Small Form-Factor (SFP) Pluggable 10 Gigabit Modules serve the purpose of extending network transfer distances. Attached to switches, the modules have the ability to extend distances to several kilometers or even tens of kilometers based on network demand, which in turn lowers costs. The MG-10G series SFP modules are also compatible with a large range of 10 Gigabit Ethernet connectivity options for enterprise, data center and service provider applications.

KEY FEATURES

- Compliant with IEEE 802.3ae 10 Gigabit Ethernet and Fibre Channel Standard
- Supports full-duplex
- Plug-and-Play & Hot Pluggable
- Supports Pull-or-Plug with power on switches
- Power: Internal power from switches
- Compliant with Small Form Factor Pluggable MSA
- Compliant with Class 1 Laser International Safety Standard IEC 825
- Complies with EN60825-1 and FDA 21 CFR 1040.10 and 1040.11

PRODUCT INFORMATION

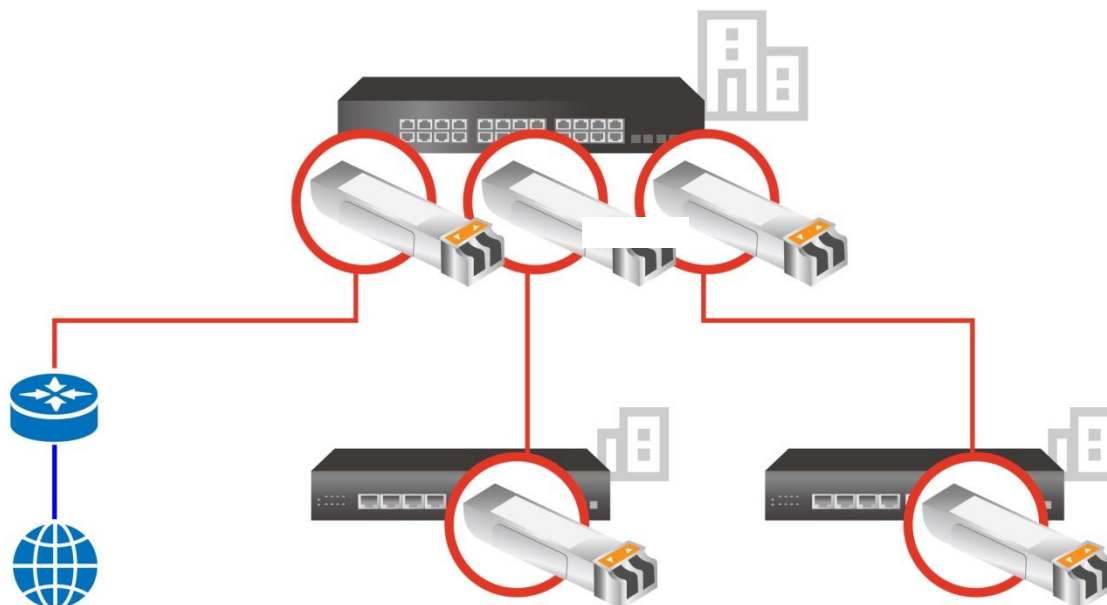
Model Number	Wavelength	Connector Type	Media	Power (dBm)	Sensitivity	Power Budget	Distance	Application
MG-10GAMA	850 nm	LC	MMF	-1 to -7	-9.9 dBm	8.2 dB	300m	Multi-Mode Fiber
MG-10GAS1	1310 nm	LC	SMF	0 to -10	-10 dBm	10.0 dB	10km	Single-Mode Fiber

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SPECIFICATIONS

Hardware	
Wave Length	•850nm for MG-10GAMA •1310nm for MG-10GAS1
Power Supply	3.3V
Cable	•Multi-mode Fiber for MG-10GAMA •Single-mode Fiber for MG-10GAS1
Fiber Type	•50/125µm or 62.5/125µm Multi-Mode Fiber •9/125 µm Single-Mode Fiber
Max. Cable Length	•300m for MG-10GAMA •10km for MG-10GAS1
Data Rate	10Gbps
	LC/UPC
Environment	
Temperature	Operating: 0 - 70°C Storage: -40 - 85°C
Humidity (Non-condensing)	Operating: 10 - 90% Storage: 5 - 90%
Standards Compliance	
Standards and Protocols	IEEE 802.3ae CSMA/CD TCP/IP
Certifications	FCC, CE

APPLICATION DIAGRAM



Maximum performance and actual data rates will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.
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