

Gigabit Multimode Extender

EM316G/MX



Highlights

- Gigabit Ethernet transmission over FDDI-graded multi-mode fiber
- Link range to 2 km (or more)
- SNMP management
- Hot-swap support
- Compatibility with all appropriate protocol standards
- Fiber Driver chassis compatibility
- Link Integrity Notification (LIN) support

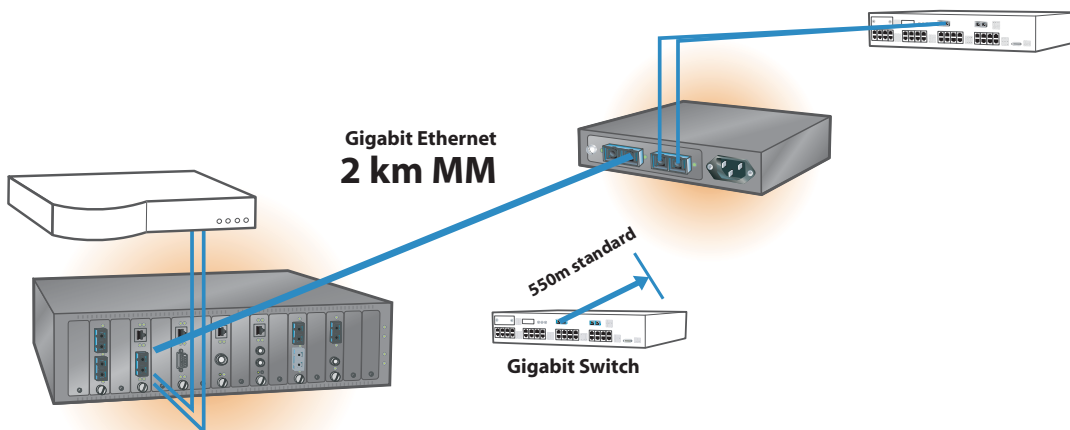
Overview

The unique Fiber Driver® Gigabit Multimode Extender technology allows transmission of high-speed signals over multi-mode fibers to distances much longer than the standard. This module allows the use of high-speed backbone protocols over fiber that was originally used for FDDI.

Fiber optic cables for FDDI applications were typically installed in 2 km increments, the maximum distance for FDDI and Fast Ethernet on multi-mode fiber. Multi-mode extender modules can use these long optical fibers with Gigabit Ethernet as well.

The Fiber Driver Gigabit Multimode Extender module is interoperable with all standard Gigabit Ethernet equipment. It carries Gigabit Ethernet data on existing multi-mode fiber (FDDI grade) to specified distances up to 2 km. Depending on the quality of the fiber, much longer links are possible.

For additional information including pricing and availability, contact your MRV Communications sales representative and visit the MRV website.





Datasheet

Physical Specifications	
Operating Temperature Range	0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Relative Humidity	85% maximum, non-condensing
Physical Dimensions	25 mm x 75 mm x 175 mm deep (1" x 3" x 7" deep)
Weight	Approximately 145 g (5.1 oz)
Regulatory Compliance	FCC Part 15 (Class A); IC (Class A); EMC Directive: Emission (Class A) and Immunity; RoHS Directive; China RoHS; WEEE Directive

Ordering Information					
Model	Function	Protocol Port / Link	Connectors ¹	Min. Budget Loss (dB)	Distance Range ² (km)
EM316G/MX	Gigabit Ethernet SX to Extended Multi-mode	Gigabit Ethernet	All DSC	Dispersion Limited	0 - 2

¹ Default connectors are listed. Contact MRV for other options.

² Distances are approximate and assume 62.5µ MM fiber.

MRV has more than 50 offices throughout the world. Addresses, phone numbers and fax numbers are listed at www.mrv.com. Please e-mail us at info@mrv.com or call us for assistance.

MRV Los Angeles
20415 Nordhoff Street
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV Boston
300 Apollo Drive
Chelmsford, MA 01824
800-338-5316
978-674-6800

MRV International
Business Park Moerfelden
Waldeckerstrasse 13
64546 Moerfelden-Walldorf
Germany
Tel. (49) 6105/2070
Fax (49) 6105/207-100

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