



## Datasheet

## Gigabit Ethernet and Fibre Channel SFPs



### Features

- Support for Gigabit Ethernet and Gigabit Fibre Channel
- Digital Diagnostic SFF-8472 compliance
- SFP MSA SFF-8074i compliance
- Low jitter of < 200 ps
- Bit Error Rate (BER) of < 10<sup>-10</sup>
- Hot plug-in support
- Low EMI metal enclosure
- Class 1 laser
- RoHS compliance
- 21 CFR 1040.10 and 1040.11 compliance (may carry "UL", "TUV" or "CSA" laboratory certifications)

### Overview

Small Form-Factor Pluggable (SFP) interfaces from MRV Communications provide flexible high speed links in a small industry standard package. They deliver the deployment options and inventory control that network administrators demand for growing networks.

SFPs are designed to Multi-Source Agreement (MSA) standards to ensure network equipment compatibility. They are a perfect addition to the MRV Communications line of Fiber Driver® pluggable media modules and chassis, and they compliment the OptiSwitch® line of routers and switches. With other MRV modular products, they define the ultimate in managed fiber optic networks.

Visit the MRV website at [www.mrv.com](http://www.mrv.com) or contact your nearest authorized MRV Communications dealer for more information.

### Ordering Information

Model	Description	Protocol	Wavelength (nm)	Output Power (dBm)		Min. Receiver Sensitivity (dBm)	Min. Link Budget (dBm)**	Saturation Power (dBm)	Supply Voltage (V)	Oper. Temp. Range (°C)	Digital Diagnostics	Distance Range (km)***
				Min	Max							
SFP-G-MMX	SFP Multi-mode Extender	GbE/FC	1310	-9	-3	-22	DL*	-3	3.3	0 to 70	No	0 - 2
SFP-G-LX	SFP Single-mode	GbE/FC	1310	-9	-3	-22	13	-3	3.3	0 to 70	No	0 - 25
SFP-GD-LX	SFP Single-mode	GbE/FC	1310	-9	-3	-22	13	-3	3.3	0 to 70	Yes	0 - 25
SFP-GD-ELX	SFP Single-mode	GbE/FC	1310	-7	0	-24	15	-3	3.3	0 to 70	Yes	6 - 30
SFP-GD-XD	SFP Single-mode	GbE/FC	1550	-5	0	-24	17	-3	3.3	0 to 70	Yes	12 - 70
SFP-GD-ZX	SFP Single-mode	GbE/FC	1550	0	5	-24	22	-3	3.3	0 to 70	Yes	35 - 88
SFP-GD-EZX	SFP Single-mode	GbE/FC	1550	0	5	-32	30	-6	3.3	0 to 70	Yes	44 - 120

\* DL - Dispersion Limited

\*\* Dispersion penalty may apply

\*\*\* Maximum range quoted not possible with all wavelengths and/or fiber. Please consult MRV.

MRV has more than 50 offices throughout the world. Addresses, phone numbers, and fax numbers are listed at [www.mrv.com](http://www.mrv.com). Please e-mail us at [sales@mrv.com](mailto:sales@mrv.com) or call us for assistance.

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