



Datasheet

10 Gigabit XFP Transceivers



Features

- Supports data rates from 9.95 Gbps to 10.7 Gbps, including 10-Gig Ethernet, SONET and Fibre Channel
- Hot-pluggable
- Maximum link length 40 km
- Digital Diagnostics
- MSA compliant

Overview

MRV Communications' XFP transceivers provide the high speeds and physical compactness that today's demanding networks require while delivering the deployment flexibility and inventory control that network administrators demand. Designed to Multi-Source Agreement (MSA) standards for broadest compatibility, they are a perfect match to MRV's wide range of optical transport solutions. Of special note is the Multimode Extender (MMX) XFP, which employs advanced modal conditioning technology to achieve link distances of up to 750 m over existing 62.5µm or 50µm multimode fiber, some 2.5x the typical maximum distance of 300 m.

| | Part Number | Description | Protocol | Wavelength (nm) | Output Power (dBm) | | Receiver Sensitivity (dBm) | Link Budget (dB) | Saturation Power (dBm) | Max. Power Dissipation (W) | Operating Case Temp. Range (°C) | Distance (km) |
|---------------|---------------------|------------------------|--|-----------------|--------------------|------|----------------------------|------------------|------------------------|----------------------------|---------------------------------|---------------|
| | | | | | Min. | Max. | Min. | Min. | | | | |
| Ordering Info | XFP-10GD-SX | XFP Multimode | OC192 SR-1, STM-I-64.1, 10-GbE, 10-GFC | 850 | -7 | -1 | -11 | 4 | -1 | 2.5 | -5 to 70 | .3 |
| | XFP-10GD-MMX | XFP Extended Multimode | OC192 SR-1, STM-I-64.1, 10-GbE, 10-GFC | 1310 | -6 | -1 | -13 | 7 | 0.5 | 2.5 | -5 to 70 | .5 |
| | XFP-10GD-LR | XFP Singlemode | OC192 SR-1, STM-I-64.1, 10-GbE, 10-GFC | 1310 | -6 | -1 | -13 | 7 | 0.5 | 2.5 | -5 to 70 | 10 |
| | XFP-GD-IR2 | XFP Singlemode | OC192 SR-1, STM-I-64.1, 10-GbE, 10-GFC | 1550 | -1 | 2 | -16 | 15 | -1 | 3.5 | -5 to 70 | 40 |
| | XFP-10GD-LR2 | XFP Singlemode | OC192 SR-1, STM-I-64.1, 10-GbE, 10-GFC | 1550 | 0 | 4 | -24 | 24 | -7 | 3.5 | 0 to 70 | 80 |

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 sales@mrv.com or call us for assistance.

MRV (West Coast USA)
20415 Nordhoff St.
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV (East Coast USA)
295 Foster St.
Littleton, MA 01460
800-338-5316
978-952-4700

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

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact MRV Communications for more information. MRV Communications and the MRV Communications logo are trademarks of MRV Communications, Inc. Other trademarks are the property of their respective holders.