

Datasheet

LambdaDriver® 10Gbps SFP+Access Dual Transponder (TM2-SFPPXFP)



TM2-SFPPXFP module

Features

- 10Gbps data rates settable to OC-192, 10GE or 10FC
- 3R support
- LIN (Link Integrity Notification) mechanism
- Remote Loop-back
- SFP+ / XFP digital diagnostics
- Y-Cable backup protection

Applications

- 10Gbps signal regeneration and optical wavelength conversion

Overview

The TM2-SFPPXFP is a single slot module incorporating two independent (with same Data Rate), 10Gbps transponders that convert the “gray” wavelength of a terminal equipment interface into ITU-T grid DWDM wavelength enabling its transport via the LambdaDriver® Optical Transport System.

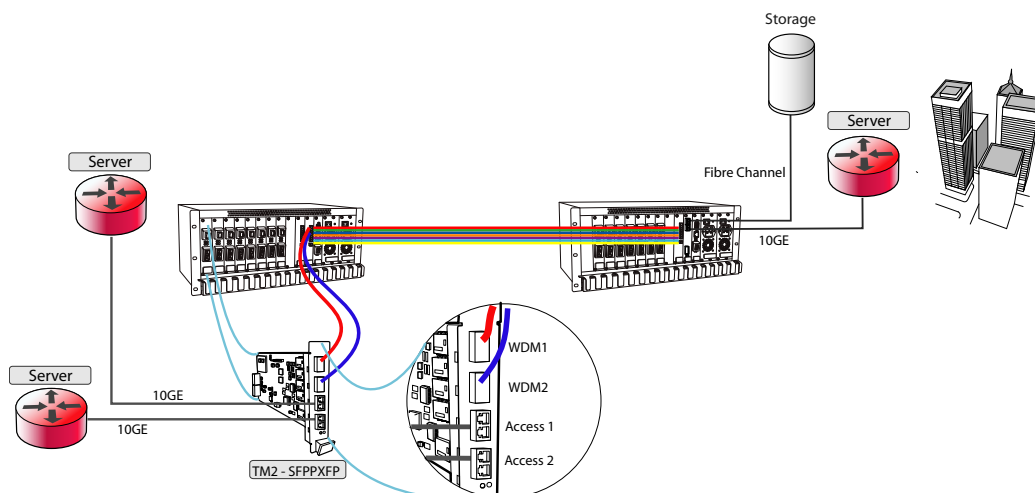
The integrated Automatic Laser Shutdown (ALS) feature automatically reduces the optical power of the transmitters to an eye safe level in case of a broken link. The ALS feature is implemented on both ports of the transponders (DWDM trunk and Terminal equipment access port).

Remote and Local Loop-back functionality is supported and provides an essential tool for troubleshooting and maintenance operations in a live network.

The Link Integrity Notification (LIN) function allows the terminal equipment to detect a link failure in the path between the two end nodes regardless of the location of the failure.

The TM2-SFPPXFP transponders also support the Y-Cable based fast switchover protection protocol. In this protection mode two adjacent transponders in a LambdaDriver® chassis run a protocol that maintains “operational” and “standby” transponders for a single 10Gbps port of an access device.

The modules are manageable by the LambdaDriver management module either locally by RS-232 CLI access or remotely by Telnet, SNMP or GUI management using the MRV MegaVision Pro management platform.



Environmental Specifications

Operating Temperature	-5°C to 45°C (23°F to 113°F)
Storage Temperature	-10 °C to 70 °C (14°F to 158°F)
Relative Humidity	85% maximum, non-condensing
Dimensions (W x H x D)	26.93 x 130.7 x 227.5 mm (1.06 x 5.145 x 8.956 In)
Weight	0.55 Kg (1.21 lb)
Connectors	Access ports: SFP sockets Trunk ports: XFP sockets
Power Consumption	Module: 4.3W SFP+: 1W XFP: 3.5 W

Technical Specifications

Data Rate	10 Gbps
Optical Parameters	per used SFP+ / XFP

Order Info

TM2-SFPPXFP	10Gbps transponder
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