



F520 10G3R OEO Transponder

Part Number: F520-OEO10G3R-4SS



Overview

OEO10G3R-4SS is a compact, high-density, 10G3R OEO Transponder that realizes wavelength conversion, signal repeating and media conversion. It is usually used in combination with MUX/DEMUX for CWDM/DWDM transmission system. The card has 4 pairs of SFP/SFP+ optical ports and supports hot swap, multi-rate rate and multi-service access between 1.25Gbps and 11.3Gbps. It is suitable for Fiber Channel, SDH/SONET, Ethernet and various protocol application. OEO10G3R-4PP provides fast and low-cost transmission solution for today xWDM networks.

Applications

- Metro CWDM / DWDM distance extension
- Long-Haul transmission system
- Wavelength Conversion
- Signal Repeating
- Media Conversion

Features

- 3R signal regeneration (Reshaping, Retiming, Reamplify)
- Support multiple services and Wide data rate : 1.25Gbps~11.3Gbps
- Hot Swap
- Real-Time DDM
- Support ALS (Automatic Laser Shutdown)
- Support LFP (Link Forward Pass though)
- Ultra-Low latency
- Low power consumption
- Support all F520 Chassis



Specification

Parameter	Technical indicators	Unit
Data Rate	SONET OC-64, SDH STM-16 (2.488Gbps) SONET OC-192, SDH STM-64 (9.953Gbps) 10G WAN (9.953Gbps) 10G LAN (10.3125Gbps) OTN OTU-2 (G.709) (10.709Gbps) OTN OTU-2e (G.709) (11.09Gbps) 10G Fiber Channel (10.52Gb/s) 10G Fiber Channel with FEC (11.3Gb/s) 10G POS (9.95Gbps) CPRI option 2 (1.23Gbps) CPRI option 3 (2.458Gbps) CPRI option 4 (3.072Gbps) CPRI option 5 (4.915Gbps) CPRI option 6 (6.144Gbps) CPRI option 7 (9.830Gbps) CPRI option 8 (10.138Gbps) Gigabit Ethernet (1.25Gbps)	
Interface	8 x SFP / SFP+ Optical Module	
Management	TELNET, SNMP, WEB	
DDM Function	Support Monitoring, Alarm & Warning for Optical modules on the parameters of Working Temperature, Working Voltage, Laser Bias Current, Transmitter Output Power, and Receiver Sensitivity	
ALS Function	Automatically shut down the output power of the transmitter in case of fiber break to prevent hurting human eyes or body.	
Power Consumption	< 30	W
Size	191(W) x 253(D) x 20(H)	mm
Operating Temperature	-10 ~ 60	°C
Storage Temperature	-40 ~ 80	°C
Relative Humidity (no condensation)	5 ~ 95	RH%



Ordering Information

Part No.	Description
F520-OEO10G3R-4SS	10G3R OEO Multi-Rate SFP/SFP+ Transponder 4 channels two-way relay, re-generation and conversion