

Opnext SFP+ Portfolio



Opnext is proud to present our broad portfolio of SFP+ products. Our product line up covers Ultra Short Reach, Short Reach, Long Reach, and Extended Reach for our 10GbE products as well as Short Wave and Long Wave for our 8G products. With low power consumption, a wide temperature range, and robust EMI performance, our SFP+ modules help our customers reduce operating cost as well as help them meet industry standards with a broad portfolio of products.



Features

- 8GFC and 10 Gbit/s data rates
- Laser Class 1
- SFP+ MSA Compliant
- Very low power consumption (<1W)
- Management: Digital Optical Monitoring
- 10G Serial Electrical I/F (SFI)
- Superior high temperature performance

Applications

- Rack to rack
- Data Centers
- Premise
- Metro
- Switches and Routers

Product Line Up

Product Description	8GFC SW	8GFC LW	10 GbE USR**	10GBASE-SR	10GBASE-LRM	10GBASE-LR	10GBASE-ER
Opnext Part Number	TRS2200SM	TRS5220SM	TRS20AEN	TRS2000EN	TRS5001EN	TRS5020EN	TRS7050EN
Data Rate (Gb/s)	8.5	8.5	10.3125				
Wavelength (nm)	850	1310	850		1310		1550
Output Power (dBm)	> -5.2 ¹	> -5.4 ¹	> -5.2 ¹	> -4.3 ¹	> -4.5 ¹	> -5.2 ¹	> -1.7 ¹
Extinction Ratio (dB)	-	3.5	>3	>3	>3.5	>3.5	>3
Receiver Sensitivity (dBm)	-8.2 ²	-13.8 ³	-8.2 ²	-7.5 ²	-6.5 ²	-10.3 ²	-11.3 ²
Operating Temp (°C)	-5 to 85		0 to 70				
Power Supply (V)	3.3						
Power Consumption Max (W)	1						1.5
Reach	150m ⁴	10km	100m ⁴	300m ⁴	220m ⁵	10km	40km
Module Dimensions	56.5L x 13.9W x 11.85H (mm) 2.22L x 0.55W x 0.47H (")						
Applications	Rack to Rack, Data Centers, Premise, Metro, Switches and Routers						

1: This Value is in Optical Modulation Amplitude (OMA)

2: Stressed Sensitivity value is in OMA

3: Unstressed Sensitivity value is in OMA

4: This solution applies to high bandwidth 50µm multimode fiber with a minimum modal bandwidth of 2000MHz · km

5: This solution applies to FDDI grade 62.5µm multimode fiber with a worst case modal bandwidth-distance product of 500MHz · km

*10GbE USR is not an IEEE standard. Specification is subject to change.