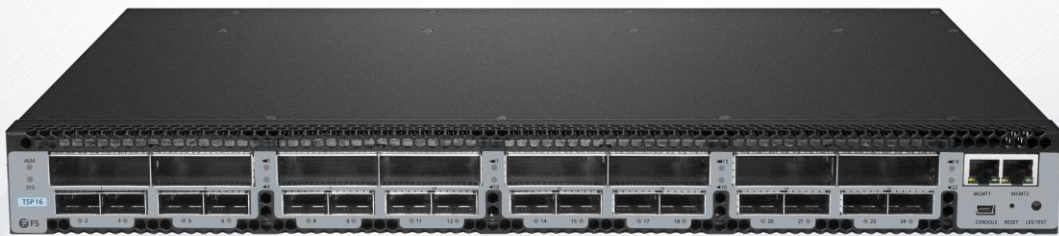


200G Transponder, 1U Rack Mount

Up to 1.6T Capacity, 16x QSFP28 to 8x CFP2, 1U 19" Rack Mount



Description

The 1.6T transponder is an OTN transmission platform customized for Data Center Interconnect (DCI) applications. It's up to eight single wavelength 200G channels, with 8x 200G CFP2 coherent optics uplinks on the line side, and 16x 100G QSFP28 on the client side.

Its large transmission capacity, adaptation to installation conditions in DC equipment rooms, and simple management mode provide an optimal user experience on DCI carrier networks.

Highlight

- High transport capacity of 1.6T in 1U chassis
- Support 16x 100G QSFP28 client interfaces
- Support 8x 8QAM/16QAM modulation coherent CFP2 line interfaces
- Support WEB, SNMP v2 management
- Support GCC0/1/2 in-band management
- Individually controlled dual AC power supply and fan unit
- Coherent detection removes the need for dispersion compensation

Application

- 1.6T connectivity for DCI and colocation providers
- 1.6T connectivity for cloud and internet exchange

Technical Specifications

Line Interface

Parameter	Description
Line Interface Type	8x 200G CFP2
Line Interface Protocol	Coherent CFP2
Coherent Modulation Technology	8QAM/16QAM
Transmit Rate	200Gbit/s
OSNR Sensitivity	18dB/ 8QAM 20dB/ 16QAM
Wavelength Range of Input Signal	1528~1568nm
Channel Spacing	50GHz
Dispersion Tolerance	20,000ps/nm 8QAM 16,000ps/nm 16QAM
FEC Support	Non-diff 15% SD-FEC 8QAM Non-diff 15% SD-FEC 16QAM

Client Interface

Parameter	Description
Client Interface Type	16x 100G QSFP28
Client Interface Protocol	100G
FEC Support	G.709 Regular FEC, RS-FEC

Management

Parameter	Description
Management Interface	2x RJ45 network interface 1x Mini USB serial port
Out-band Management	Web, SNMP v2
In-band Management	GCC 0/1/2

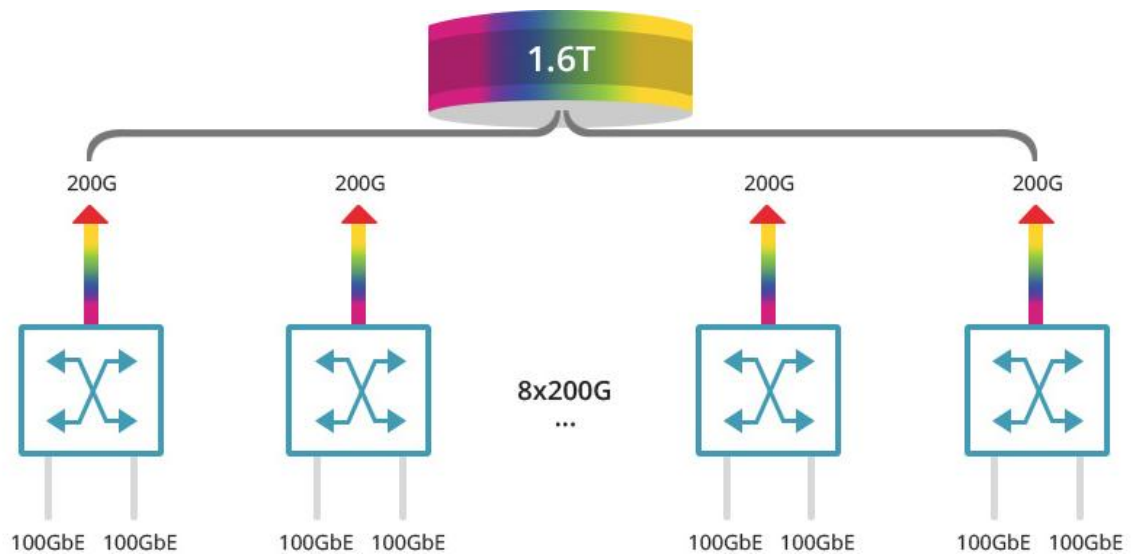
Physical Specification

Parameter	Description
Power Supply	Dual power, 100V-240VAC
Power Consumption	Max.360W
Operating Temperature	0 to 45° C
Storage Temperature	-40 to 70° C
Dimension(H*W*D)	1.73"x14.5"x11.48" (44x442x350mm)

Note: The device comes with dual AC power supply in default, DC power can be customized, please contact sales@fs.com for more details.

Function Diagram

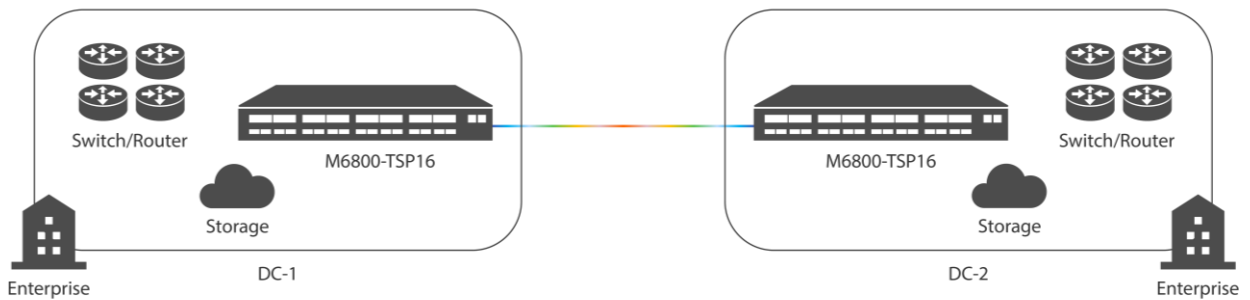
The 200G OTN transponder provides a high transport capacity of 200G over a single wavelength, it aggregates 2x 100G services into a single 200G uplink. One 200G OTN transponder can provide high transport capacity up to 1.6T capacity in a 1U chassis.



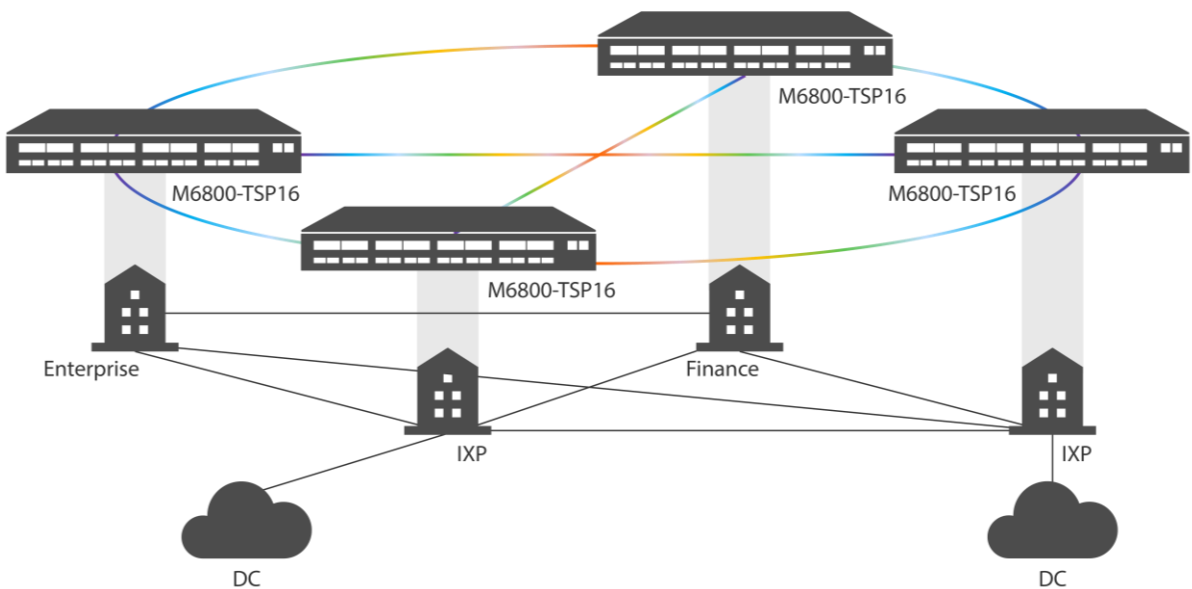
Applications

M6800 TSP16 is an optical-electrical integrated OTN transmission device designed for Data Center Interconnect (DCI), which is widely applicable to DCI scenarios for industries and enterprises with high digitalization, including IXPs, finance, large enterprises and etc. It also enables easy scaling of existing network capacity without replacing exiting OTN/DWDM infrastructure.

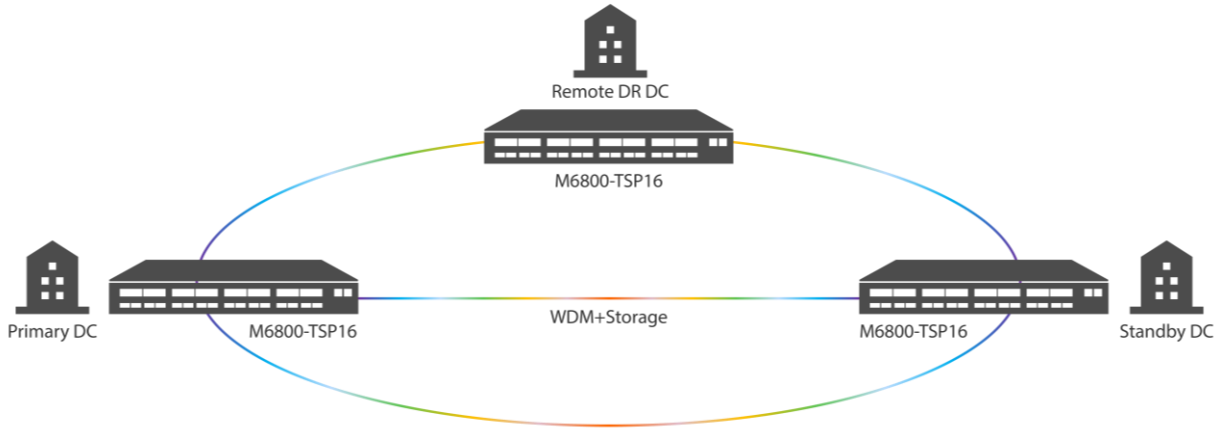
① Small-sized Networks---Point-to-point Network



② Medium-and Large-sized Networks---Mesh Network



③ Disaster Recovery---Ring Network



Accessories



Power Cord x2



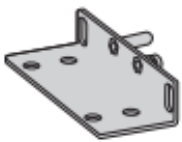
Console Cable x1



Ethernet Cable x1



CD x1



Mounting Bracket x2



Cable Manager x1



ESD Wrist Strap x1



Grounding Cable x1



M6 Screw Set x4



M4 Screw x8

Ordering Information

ID	Description
#111053	1.6T Transponder for DCI, 16x 100G QSFP28 to 8x 200G CFP2 200G Transponder with 200G Coherent CFP2 Transceiver
#111049	2x 100G QSFP28/4x 40G QSFP+ to 1x 200G CFP2 200G Transponder/Muxponder with 200G Coherent CFP2 Transceiver
#107366	20dBm Output Optical Booster Pluggable Module, 16dB Gain, LC/UPC
#107367	25dB Gain Optical Pre-Amplifier Pluggable Module, 16dBm Output, LC/UPC
#107368	1+1 Optical Line Protection Switch (OLP), LC/UPC
#107371	M6200 Series 2U Managed Chassis Unloaded, Supports up to 7x EDFA/OEO/OLP Module with Accessories

Note: Standard products are listed above. Customized specifications are available upon request.



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