

GF-6800-800G-TMUX

GF-6800 800G TUMX-1 Line Side 800G CFP2 / Client side 8 x QSFP28

1. Product overview

800G Muxponder, 8600-series The 800G Muxponder is a high-capacity optical transport card designed for flexible aggregation of 100GbE and 200GbE client services onto coherent 400G and 800G DWDM line interfaces. The client side supports up to eight QSFP28 or QSFP56 interfaces, while the line side is equipped with two CFP2 slots for coherent DCO modules. The card supports either 1×800G with 1+1 protection or 2×800G line-side transmission, depending on the installed DCO modules and system configuration. The muxponder also provides comprehensive Ethernet performance monitoring, LLDP support, delay measurement, and Forward Error Correction.



2. Key features

High-capacity 800G muxponder / transponder card • Supports up to 8 client-side service interfaces • Supports 100GbE and 200GbE client services • Supports 100GE FlexE service access

3. Applications

DWDM optical transport; applications and integration are described in Product overview.

4. Technical data

High-capacity 800G muxponder / transponder card	100GE
Supports up to 8 client-side service interfaces	100GE FlexE
Supports 100GbE and 200GbE client services	200GE
Supports 100GE FlexE service access	Other supported Ethernet service access types depending on configuration
Client-side interfaces: 8× QSFP28 for 100GbE, 8× QSFP56 for 200GbE	FEC supported
Line-side interfaces: 2× CFP2 DCO slots, Supports 400G and 800G coherent DWDM DCO modules	8× QSFP28, 100Gbps
Supports: 1×800G DCO with 1+1 line protection, 2×800G DCO	Or 8× QSFP56, 200Gbps
Supports latency / delay measurement	2× CFP2 DCO slots
Forward Error Correction supported	Supports coherent DWDM CFP2 DCO modules
Occupies two chassis slots	Supports 400Gbps and 800Gbps line-side transmission
Maximum power consumption: ≈150W	Supports 1×800G with 1+1 protection
8×100GbE	Supports 2×800G operation
8×200GbE	Dimensions: 216mm (W) × 254mm (D) × 42mm (H)
	Chassis occupation: 2 slots

5. Recommended operating conditions

Operating temperature: -5°C to +45°C
Storage temperature: -40°C to +80°C
Relative humidity: 5% to 95%
Non-condensing operation

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6. Optical characteristics

Tunable DWDM line-side wavelength	Line-Side Optical Performance Actual transmit power depends on the selected DCO module
Supports 75GHz, 100GHz and 150GHz channel spacing	
DWDM Wavelength Range Center frequency range: 190.7THz to 196.65THz	Modulation and OSNR Performance 400G PM-QPSK: OSNR tolerance: 17dB
DWDM Wavelength Range Tunable wavelength operation	Modulation and OSNR Performance 400G 16QAM-PS: OSNR tolerance: 18.5dB
DWDM Wavelength Range Supported channel spacing:, 75GHz, 100GHz, 150GHz	Modulation and OSNR Performance 800G PM-16QAM-PS: OSNR tolerance: 25.5dB
Line-Side Optical Performance Transmit optical power is adjustable within the supported range of the installed CFP2 DCO module	

7. Digital diagnostics and management

Integrated Ethernet RMON performance monitoring	Error packet monitoring
Supports LLDP	Ethernet traffic statistics
Packet count	LLDP support
Transmission count	Delay measurement
Byte count	Ethernet RMON monitoring
Port utilization	Port utilization monitoring
CRC monitoring	Error and CRC statistics
	FEC monitoring and support

8. Safety and regulatory

The product page does not specify regulatory certifications or a laser safety class.

9. Ordering information

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10. General notes

The sales heading identifies GF-6800 / 800G CFP2; Technical Info says 8600-series and specifies two CFP2 slots, 1+1 protection or 2 × 800G configurations. Source descriptions are retained. • Equality signs (for example “=30 W”) and source asterisks are retained as published; no different limit is inferred. • Technical values and product image: GLOBALfiber product page, Technical Info. Unspecified parameters have not been inferred. Accessed 06.09.2026.

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