

GF-6800-200GTMUX-2

GF-6800 200G Muxponder Line Side CFP2 / Client Side 2 x QSFP28 port

1. Product overview

Muxponder 200G TMUX-2 The 200G TMUX-2 is a compact coherent DWDM transponder/muxponder designed for aggregation of up to 2 x 100G client services into a single 100G or 200G coherent DWDM line interface. The client side provides 2 x QSFP28 ports and supports 100GbE, OTU4 and 100G FlexE services. The line side uses a CFP2-DCO coherent module with tunable C-band operation.



2. Key features

Supports 2 x 100G client-side service interfaces • Supports 1 x 100G or 1 x 200G coherent line-side service • Client side supports: 100GbE, 100G OTU4, 100G FlexE • Line side supports: 100G and 200G coherent transmission

3. Applications

Data Center Interconnect, DCI • Metro DWDM networks • Regional optical transport networks • 100G service aggregation • 200G coherent transmission • Point-to-point DWDM links • Passive DWDM systems • ROADM-based optical networks • Capacity upgrades of existing C-band DWDM infrastructure

4. Technical data

Supports 2 x 100G client-side service interfaces	Client-Side Interfaces: 2 x QSFP28
Supports 1 x 100G or 1 x 200G coherent line-side service	Line-Side Interface: 1 x CFP2-DCO coherent DWDM
Client side supports: 100GbE, 100G OTU4, 100G FlexE	Supported Client Services: 100GbE, 100G OTU4, 100G FlexE
Line side supports: 100G and 200G coherent transmission	Supported Line Rates: 100 Gbps, 200 Gbps
Supports 1 x CFP2-DCO coherent DWDM module	Optical Frequency Tuning: Fully tunable within supported C-band frequency range
Supports latency and transmission delay measurement	Forward Error Correction: OFEC
Suitable for metro, regional and DCI coherent DWDM applications	Digital Diagnostics: DDM supported
Product Type: 100G/200G coherent DWDM transponder/muxponder	Delay Measurement: Supported
Maximum Transport Capacity: 200 Gbps	Dimensions: 107 mm (W) x 254 mm (D) x 42 mm (H)
Client-Side Capacity: 2 x 100G	Maximum Power Consumption: ≈30 W
Line-Side Capacity: 1 x 100G or 1 x 200G	

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

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6. Optical characteristics

Supports tunable frequency range from 191.3 THz to 196.1 THz	Coherent Modulation Formats: DP-QPSK, 16QAM
Supports: 50/75/100 GHz channel spacing	OSNR Monitoring: Supported
Supports tunable optical output power	OSNR Performance 100G DP-QPSK with OFEC: OSNR tolerance of 12.5 dB
Supports real-time OSNR monitoring	OSNR Performance 200G DP-QPSK with OFEC: OSNR tolerance of 14 dB
Optical Frequency Range: 191.3–196.1 THz	OSNR Performance 200G 16QAM with OFEC: OSNR tolerance of 20 dB
Channel Spacing: 50/75/100 GHz	
Optical Output Power: Tunable	

7. Digital diagnostics and management

Supports hardware loopback testing	Ethernet Performance Monitoring: RMON supported
Supports software loopback testing	RMON Statistics Include:; Transmitted packets; Received packets; Transmitted bytes; Received bytes; Port utilization; CRC errors; Error packets
Supports Digital Diagnostic Monitoring, DDM	LLDP: Supported
Supports real-time BER monitoring	Hardware Loopback: Supported
Supports ALS – Automatic Laser Shutdown	Software Loopback: Supported
Supports transparent transmission of: Local and Remote Fault	ALS: Automatic Laser Shutdown supported
Supports LLDP – Link Layer Discovery Protocol	Local Fault Transmission: Supported
Supports Ethernet RMON statistics	Remote Fault Transmission: Supported
BER Monitoring: Real-time BER monitoring supported	

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

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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