

GF-6000-Q2FS28

100G muxponder / transponder | 4 x SFP28 and QSFP28

1. Product overview

40G/100G muxponder (TMUX8) for DWDM and CWDM networks. It supports multiplexing and demultiplexing between four 25G or 10G signals and a single 100G or 40G interface. The technical description assigns QSFP28 to the client side and four SFP28 modules to the line side; the product title uses the opposite assignment.



2. Key features

- Bidirectional 4 x 25G / 100G conversion
- Supports a 40G variant and 4 x 10G aggregation
- Demultiplexes one 100G service into four 25G wavelength channels
- Port loopback testing for verification and diagnostics
- C-band 50 GHz grid; up to 80 DWDM channels
- Low-power alternative for metro and data-center interconnects

3. Applications

Metro and regional DWDM transport; data center interconnection; cloud and 5G aggregation; 100G metro access and expansion; enterprise backbones.

4. Technical data

Parameter	Specification
Source function reference	40G/100G Muxponder (TMUX8)
Data rate	100 Gb/s; supports 40G variant
Client interface (Technical info)	1 x QSFP28, 100G
Line interface (Technical info)	4 x SFP28, 4 x 25G
Conversion	4 x 25G to/from 100G; 4 x 10G and 40G described
Dimensions (W x D x H)	191 x 253 x 20 mm
Chassis compatibility	GF-6000 CH04 / CH08 / CH20
Power consumption	30 W

5. Recommended operating conditions

Operating temperature	Storage temperature	Relative humidity
-10 to +60°C	-40 to +80°C	5-95%, non-condensing

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6. Optical characteristics

Parameter	Specification
DWDM center wavelength range	1529.5-1565.50 nm, C-band
Grid / channel capacity	50 GHz; up to 80 DWDM channels
Grid standard	ITU-T G.694.1
Optical interfaces	1 x QSFP28 and 4 x SFP28
CWDM operation	Described; separate CWDM wavelength range not provided

Optical launch power, receiver sensitivity, optical budget and numeric transmission distance are not specified on this product page.



Simplified functional illustration based on the product description.

7. Digital diagnostics and management

TELNET, SNMP and Web GUI. Port loopback supports link verification and diagnostics. Bidirectional multiplexing/demultiplexing supports four wavelength channels.

8. Safety and regulatory

ITU-T G.694.1 50 GHz grid is stated. No laser safety class or other regulatory certifications are listed.

9. Ordering information

Product number	Product description
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