

GF-6000- QS2SFP28

Quad multi-rate transponder | 1G-32G | 8 x SFP28

1. Product overview

Intelligent SFP28 optical-electrical-optical converter for CWDM and DWDM networks. It supports transparent multi-protocol wavelength conversion and 3R regeneration. Multi-rate operation from 1G to 32G enables use as a 25G repeater or wavelength converter in GF-6000 systems.



2. Key features

- 8 x SFP28 interfaces; quad multi-rate operation
- 1-32 Gb/s operation
- 3R re-amplification, re-shaping and re-timing
- ALS (Automatic Laser Shutdown) and LFP
- Transparent multi-protocol transport
- In-band and out-of-band management

3. Applications

Telecom, data-center, 5G, long-haul and fiber-optic networks.

4. Technical data

Parameter	Specification
Optical interfaces	8 x SFP28 slots
Fibre Channel	1 / 2 / 4 / 8 / 10 / 16 / 32 Gb/s
Ethernet	1G / 10G / 25G
CPRI	2 / 3 / 4 / 5 / 6 / 7
SONET / SDH	OC-24 / OC-48 / OC-192; STM-16 / STM-64
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

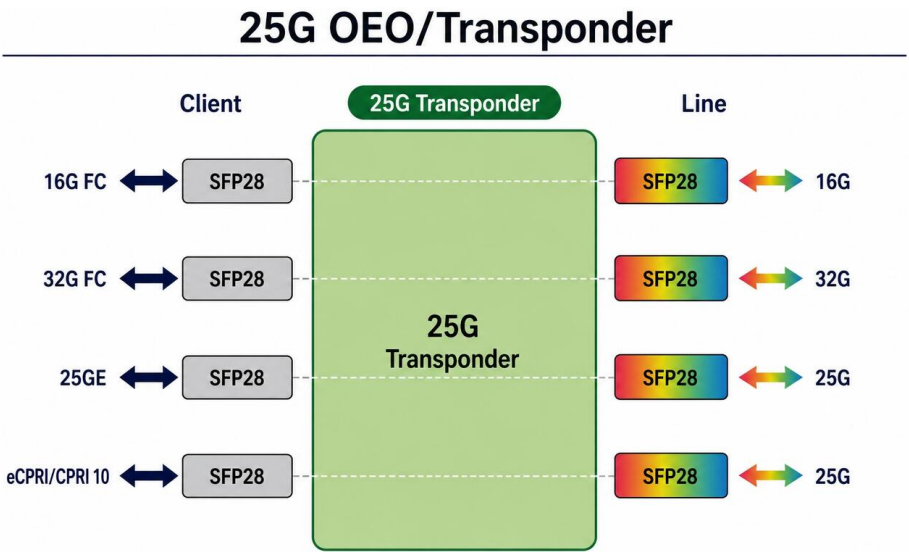
Operating temperature	Storage temperature	Relative humidity
-10 to +60°C	-40 to +80°C	5-95%, non-condensing

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6. Optical characteristics

Parameter	Specification
CWDM wavelength range	1271-1611 nm
DWDM wavelength range	1529.5-1565.5 nm
Grid standards	ITU-T G.694.1 / G.694.2
Optical interfaces	8 x SFP28
Source illustration	16G FC to 16G; 32G FC to 32G; 25GE to 25G; eCPRI/CPRI 10 to 25G

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



Functional illustration published on the product page.

7. Digital diagnostics and management

TELNET, SNMP and Web management, with in-band and out-of-band support. ALS provides automatic laser shutdown; LFP propagates link faults.

8. Safety and regulatory

ITU-T G.694.1 and G.694.2 are referenced. ALS is stated, but no laser safety class or regulatory certification details are given.

9. Ordering information

Product number	Product description
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