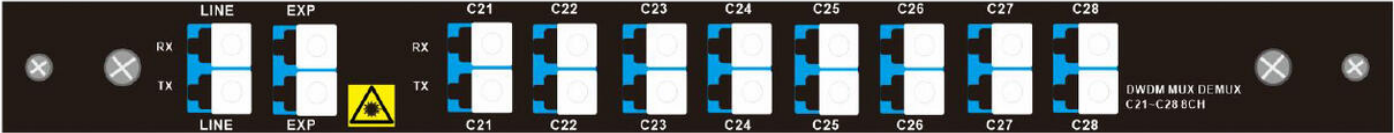


GF-DMD8-1U01-C2128LU

8-channel DWDM MUX/DEMUX, C21-C28, EXP port

1. Product overview

8-channel DWDM MUX/DEMUX, C21-C28, EXP port. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



Simplified functional illustration



Dual fiber; not a physical port map.

2. Key features

- Passive optical operation; no electrical supply required.
- 8 channels; 100 GHz (0.8 nm).
- Channel ports / line / EXP.

3. Applications

Optical transport, metro networks, data center interconnect and fiber-capacity expansion.

4. Technical data

Parameter	Specification
Service / channel configuration	8 channels
Transmission topology	Dual fiber
Filter technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	214 × 150 × 20 mm
Net weight	0.5 kg
Mounting / enclosure	LGX4; rack 440 × 160 × 44 mm
Rack net weight / source slot count	2.5 kg
Rack front mounting width (drawing)	482 mm
LGX width in drawing	214.5 mm

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-40 to +85°C
Storage temperature	-40 to +85°C

Subject to change without notice.
For more information visit globalfiber.no.

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6. Optical characteristics

Optical parameter	Specification
DWDM channels	C21-C28; other wavelengths may be customized
Channel spacing	100 GHz (0.8 nm)
Channel passband	±0.11 nm
Insertion loss, wavelength ports	≤2.4 dB
Link loss	≤3.2 dB
Return loss	≥45 dB
Directivity	≥45 dB

Optical parameter	Specification
Polarization mode dispersion (PMD)	≤0.1 ps
Polarization dependent loss (PDL)	≤0.3 dB
Isolation, adjacent channels	≥30 dB
Isolation, non-adjacent channels	≥45 dB
-0.5 dB bandwidth	≥45 GHz
-3 dB bandwidth	≥85 GHz

7. Digital diagnostics and management

No built-in DDM, management protocol or electrical telemetry is specified for this passive device.

8. Safety and regulatory

ITU-T G.694.1 is cited in the source description. Product-specific safety certifications are not specified.

9. Ordering information

Product number	Description
GF-DMD8-1U01-C2128LU	8-channel DWDM MUX/DEMUX, C21-C28, EXP port; LC/UPC; LGX4 plug-in module
GF-1U02-4LGX	4-slot 19-inch 1U rack; 440 × 160 × 44 mm (source accessory)

