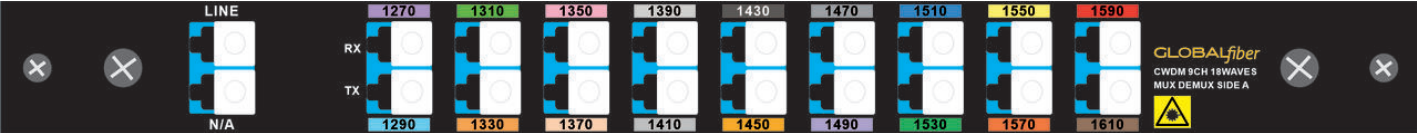


GF-CM18-LGX01-2761-A

9-channel single-fiber CWDM BiDi MUX/DEMUX, side A, LC/UPC

1. Product overview

Passive 9-channel CWDM multiplexer/demultiplexer for 18 wavelengths across 1270-1610 nm. Side A operates with the complementary opposite-side unit over one optical fiber. A plug-in LGX enclosure supports installation in a 1U rack.



2. Key features

- 9 bidirectional services using 18 CWDM wavelengths; 20 nm grid.
- Passive TFF optical filtering; no power supply required.
- Matched side A / side B operation over a single fiber.
- LC/UPC product variant; plug-in LGX housing.

3. Applications

Bidirectional point-to-point links: 1G/10G Ethernet, SDH/SONET and 8/4/2/1G services as stated in the PDF. Broadcast/TV, data centers, finance, government and cloud networks.

4. Technical data

Parameter	Specification
Transmission topology	Single-fiber BiDi; paired A and B units
Number of channels	9 services / 18 wavelengths
Technology	TFF (thin-film filter)
Product connector	LC/UPC
LGX dimensions in PDF table	215 × 150 × 20 mm (H × W × D a)
LGX width in PDF drawing	214.5 mm; depth 150 mm; height 20 mm
LGX net weight	0.5 kg
Rack dimensions in PDF table	440 × 160 × 44 mm (H × W × D)
Rack / net weight / mounting width	4-slot 1U / 2.5 kg / 482 mm

5. Recommended operating conditions

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

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
Operating wavelength range	1270-1610 nm	Return loss	≥45 dB
Channel spacing	20 nm	Directivity	≥45 dB
Channel passband	±6.5 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Insertion loss	≤3.0 dB	Polarization dependent loss (PDL)	≤0.3 dB
Link loss, A + B	≤3.8 dB	Adjacent channel isolation	≥30 dB
Center wavelength accuracy	±0.05 nm	Non-adjacent channel isolation	≥45 dB

Wavelength assignment from the PDF (nm)

Service	A: TX	A: RX	B: TX	B: RX
1	1290	1270	1270	1290
2	1330	1310	1310	1330
3	1370	1350	1350	1370
4	1410	1390	1390	1410
5	1450	1430	1430	1450
6	1490	1470	1470	1490
7	1530	1510	1510	1530
8	1570	1550	1550	1570
9	1610	1590	1590	1610

7. Digital diagnostics and management

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

8. Safety and regulatory

No specific regulatory certification is stated in the source PDF. The device is passive and has no electrical supply.

9. Ordering information

Product number	Description
GF-CM18-LGX01-2761-A	9-channel single-fiber CWDM BiDi MUX/DEMUX, side A, LC/UPC; LC/UPC; LGX4 plug-in module
GF-CM18-LGX01-2761-B	Matching opposite-side LC/UPC product

