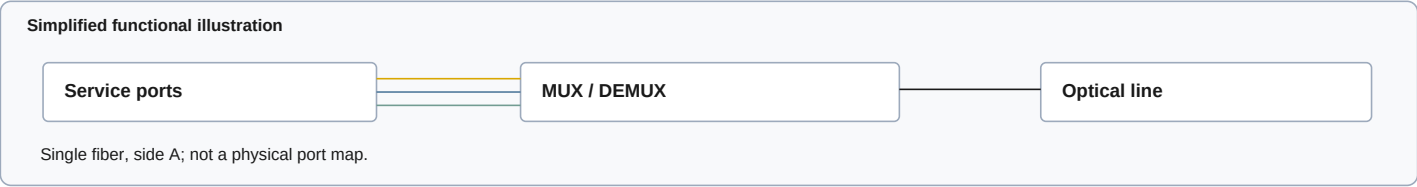
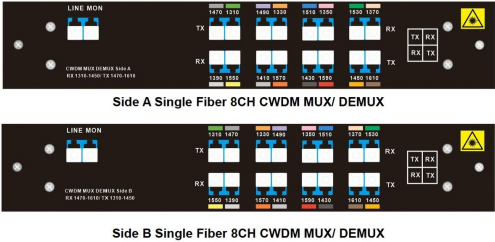


G-CMUX-3161-A/B-MLU

8-channel single-fiber CWDM MUX/DEMUX, 1310-1610 nm, side A

1. Product overview

8-channel single-fiber CWDM MUX/DEMUX, 1310-1610 nm, side A/B. Passive optical filtering combines and separates wavelength channels over a single fiber using complementary A/B configurations.



2. Key features

- Passive operation; no electrical power supply required.
- 8 bidirectional CWDM channels (web wording); 20 nm channel spacing.
- Line / CWDM / MON.

3. Applications

CWDM metro/access networks, point-to-point transmission, broadcast, data centers, cloud and enterprise networks.

4. Technical data

Parameter	Specification
Channel / service configuration	8 bidirectional CWDM channels
Optical topology	Single fiber, side A and B
Technology	Free Space
Optical connector	LC/UPC
Fiber type	SMF-28e

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-20 to +70°C
Storage temperature	-40 to +85°C

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
Range in technical specification	1310-1610 nm; 8 channels	Return loss	=45 dB
Range in web introduction	1270-1610 nm	Directivity	=50 dB
Grid in web introduction	100 GHz; ITU-T G.694.1	Polarization mode dispersion (PMD)	=0.1 ps
Optical power handling	=500 mW	Polarization dependent loss (PDL)	=0.2 dB
Channel spacing	20 nm	Adjacent channel isolation	=30 dB
Channel passband	±6.5 nm	Non-adjacent channel isolation	=40 dB
Insertion loss, channel path	=3.0 dB		

7. Digital diagnostics and management

An optical monitor port is listed for external link/power monitoring. No built-in DDM, management protocol or electrical telemetry is specified.

8. Safety and regulatory

No product-specific safety certification is specified in the available source. This is a passive optical filtering device.

9. Ordering information

Product number	Description
G-CMUX-3161-A/B-MLU	8-channel single-fiber CWDM MUX/DEMUX, 1310-1610 nm, side A/B; LC/UPC; LGX module