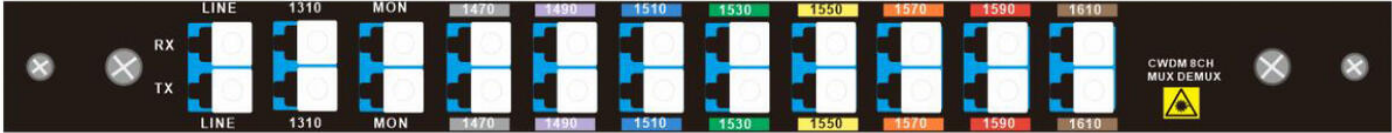


G-CMD8-LGX4-4761-31M

8-channel dual-fiber CWDM MUX/DEMUX, 1470-1610 nm + 1310 nm + MON

1. Product overview

8-channel dual-fiber CWDM MUX/DEMUX, 1470-1610 nm + 1310 nm + MON. Passive optical filtering combines and separates wavelength channels over a fiber pair.



8CH CWDM MUX DEMUX Dual Fiber



2. Key features

- Passive operation; no electrical power supply required.
- 8 CWDM channels + 1310 nm port; 20 nm channel spacing.
- Line / CWDM / 1310 nm / 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 CWDM channels + 1310 nm port
Optical topology	Dual fiber
Technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	214.5 × 150 × 20 mm (H × W × D.)
Net weight	0.5 kg
Mounting	4-slot 1U rack; 44 × 440 × 160 mm; 1.5 kg

Web 1310 nm applications: 1G LX/SX, 10G LR, 40G ER4/LR4 and 100G LR/ER4/LR4/ZR4. Optical monitor port is listed; its loss is not specified.

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
CWDM range	8 channels, 1470-1610 nm	Return loss	=45 dB
1310 nm port passband / insertion loss	1260-1360 nm / =0.8 dB	Directivity	=45 dB
Channel spacing	20 nm	Polarization mode dispersion (PMD)	=0.1 ps
Channel passband	±6.5 nm	Polarization dependent loss (PDL)	=0.3 dB
Insertion loss, channel path	=2.4 dB	Adjacent channel isolation	=30 dB
Insertion loss, line / link path	=3.5 dB	Non-adjacent channel isolation	=45 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-CMD8-LGX4-4761-31M	8-channel dual-fiber CWDM MUX/DEMUX, 1470-1610 nm + 1310 nm + MON; LC/UPC; LGX4 module