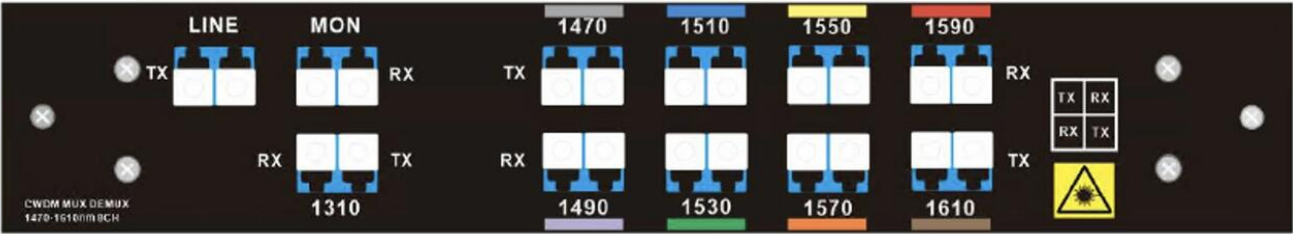


G-CMUX-9-4761-LL-LU

8+1-channel CWDM MUX/DEMUX, C47-C61, 1310 nm + MON, low loss

1. Product overview

8+1-channel CWDM MUX/DEMUX, C47-C61, 1310 nm + MON, low loss. Passive optical filtering combines and separates wavelength channels over a fiber pair.



Simplified functional illustration



Dual fiber; not a physical port map.

2. Key features

- Passive operation; no electrical power supply required.
- 8 CWDM channels + 1310 nm port; 20 nm channel spacing.
- Line / CWDM / 1310 nm / 1% 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 (polish not specified)
Dimensions	190 × 200 × 39 mm (H × W × D)
Net weight	0.5 kg
Mounting	2-slot 1U rack
LGX width in source drawing	220 mm

Source 1310 nm applications: 1G LX/SX, 10G LR, 40G ER4/LR4 and 100G LR/ER4/LR4/ZR4. Other applications: 1G/10G Ethernet, SDH/SONET and 8/4/2/1G services.

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	1260-1360 nm	Directivity	≥45 dB
1310 nm port insertion loss	≤0.8 dB	Polarization mode dispersion (PMD)	≤0.1 ps
Channel spacing	20 nm	Polarization dependent loss (PDL)	≤0.3 dB
Channel passband	±6.5 nm	Adjacent channel isolation	≥30 dB
Insertion loss, channel path	≤1.8 dB	Non-adjacent channel isolation	≥45 dB
Insertion loss, line / link path	≤2.5 dB	Insertion loss, 1% monitor port	≤26 dB
Center wavelength accuracy	±0.05 nm		

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-9-4761-LL-LU	8+1-channel CWDM MUX/DEMUX, C47-C61, 1310 nm + MON, low loss; LC LGX plug-in module

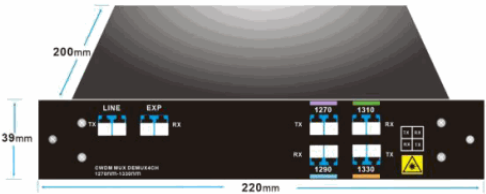


Figure 3 Plug-in LGX Box