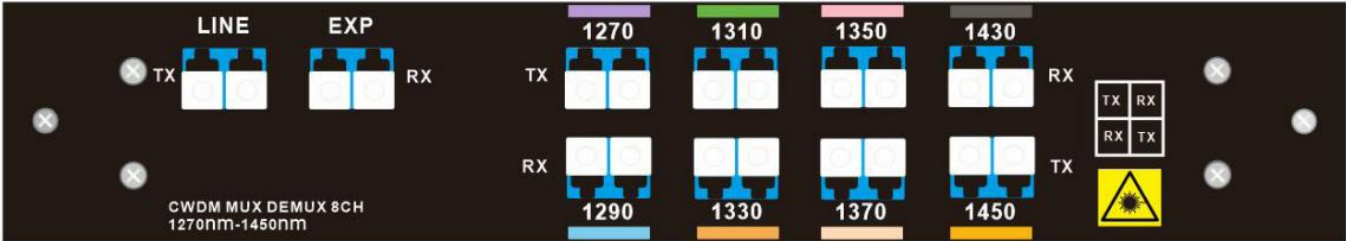


G-CMUX-08-2745-LU

8-channel low-band CWDM MUX/DEMUX, C27-C45, skip 1390/1410 nm

1. Product overview

Passive dual-fiber CWDM multiplexer/demultiplexer for eight channels in the 1270-1450 nm band, excluding 1390 and 1410 nm. The plug-in LGX module fits a 2-slot 1U rack. An expansion port supports connection of an additional multiplexer using different wavelengths.



Simplified functional illustration



Dual fiber; not a physical port map.

2. Key features

- Eight CWDM wavelengths; 1390 and 1410 nm omitted.
- Passive TFF filtering; dual-fiber point-to-point transmission.
- EXP port for expansion; LC optical interfaces.

3. Applications

1G/10G Ethernet, SDH/SONET and 8/4/2/1G services as stated in the original. Broadcast/TV, data centers, finance, government, cloud and other networks with limited fiber availability.

4. Technical data

Parameter	Specification
Topology / channels	Dual fiber / 8 channels
Filter / connector	TFF / LC
Housing / mounting	Plug-in LGX; 2-slot 1U rack
LGX dimensions, source table	190 × 200 × 39 mm (H × W × D)
LGX dimensions, drawing	220 mm width × 200 mm depth × 39 mm height
LGX net weight	0.5 kg
2-slot 1U rack net weight	2.5 kg

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
Wavelength range	1270-1450 nm; skip 1390/1410 nm	Return loss	≥45 dB
Individual channel wavelengths	1270 / 1290 / 1310 / 1330 / 1350 / 1370 / 1430 / 1450 nm	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	≤2.4 dB	Adjacent channel isolation	≥30 dB
Center wavelength accuracy	±0.05 nm	Non-adjacent channel isolation	≥45 dB

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 safety or regulatory certification is stated in the original PDF. This is a passive optical filtering device.

9. Ordering information

Product number	Description
G-CMUX-08-2745-LU	8-channel low-band CWDM MUX/DEMUX, C27-C45, skip 1390/1410 nm; LC LGX plug-in module

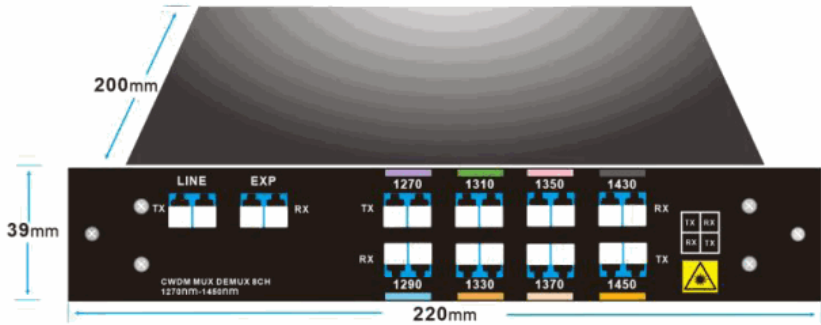


Figure 3 Plug-in LGX Box