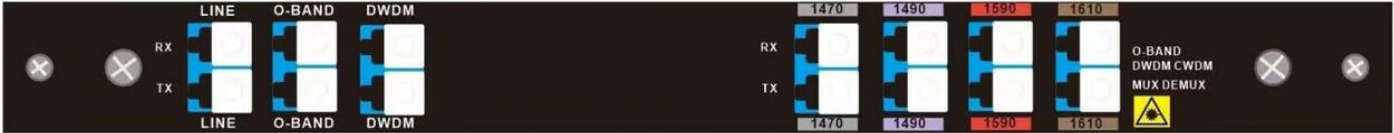


G-CMUX-06-4761-LU

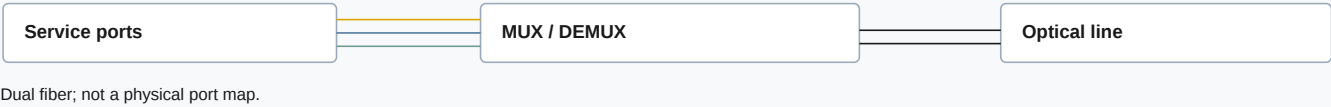
4+2-channel CWDM MUX/DEMUX with 1310 nm and 1550 nm wideband ports

1. Product overview

4+2-channel CWDM MUX/DEMUX with 1310 nm and 1550 nm wideband ports. Passive optical filtering combines and separates wavelength channels over a fiber pair.



Simplified functional illustration



2. Key features

- Passive operation; no electrical power supply required.
- 4 CWDM channels + 2 wideband ports; 20 nm channel spacing.
- Line / CWDM / O-band / DWDM.

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	4 CWDM channels + 2 wideband ports
Optical topology	Dual fiber
Technology	TFF (thin-film filter)
Optical connector	LC
Dimensions	190 × 150 × 20 mm (H × W × D, source labels)
Net weight	0.5 kg
Mounting	4-slot 1U,
LGX width / rack front width in drawing	214.5 mm / 482 mm

Source O-band applications: 1G LX/SX, 10G LR, 40G ER4/LR4, 100G LR/ER4/LR4/ZR4 and O-band DWDM. DWDM port: GE / 10G / 100G / 400G C-band DWDM. Also 1G/10G/100G Ethernet, SDH/SONET and 8/4/2/1G services. These source claims require wavelength-compatible optics.

5. Recommended operating conditions

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

G-CMUX-06-4761-LU

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
CWDM wavelengths	1470 / 1490 / 1590 / 1610 nm	Return loss	≥45 dB
1310 nm O-band port	1260-1360 nm	Directivity	≥45 dB
1550 nm DWDM port	1527.31-1565.59 nm	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	≤2.0 dB	Non-adjacent channel isolation	≥45 dB
Insertion loss, line / link path	≤3.0 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 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-06-4761-LU	4+2-channel CWDM MUX/DEMUX with 1310 nm and 1550 nm wideband ports; LC LGX4 module

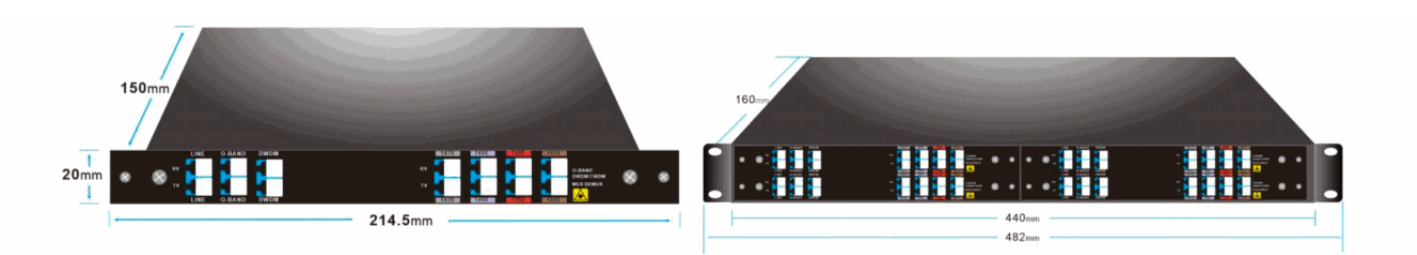


Figure 3 4-Slot 1U Rack for LGX BOX