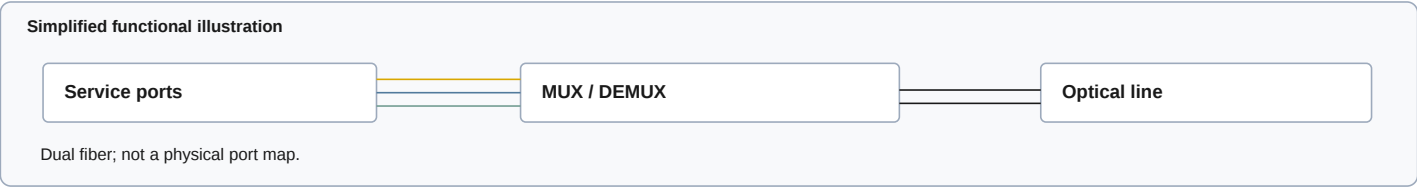


G-CMUX-18-2761-MLU

18-channel CWDM MUX/DEMUX, C27-C61, monitor port

1. Product overview

18-channel CWDM MUX/DEMUX, C27-C61, monitor port. Passive optical filtering combines and separates wavelength channels over a fiber pair.



2. Key features

- Passive operation; no electrical power supply required.
- 18 channels; 20 nm channel spacing.
- Line / 18 channel pairs / 1% MON.

3. Applications

CWDM metro/access networks, point-to-point transmission, broadcast, data centers, cloud and enterprise networks. Source applications: 1G/10G Ethernet, SDH/SONET and 8/4/2/1G services.

4. Technical data

Parameter	Specification
Channel / service configuration	18 channels
Optical topology	Dual fiber
Technology	TFF (thin-film filter)
Optical connector	LC
Dimensions	44 × 440 × 230 mm (H × W × D)
Net weight	3.5 kg
Mounting	19-inch 1U rack

5. Recommended operating conditions

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

G-CMUX-18-2761-MLU

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
CWDM range	18 channels, 1270-1610 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, channel path	Regular ≤5.4 dB; with 8 Skip 0 ≤3.0 dB	Adjacent channel isolation	≥30 dB
Insertion loss, line / link path	Regular ≤6.2 dB; with 8 Skip 0 ≤4.0 dB	Non-adjacent channel isolation	≥45 dB
Center wavelength accuracy	±0.05 nm	Insertion loss, 1% monitor port	≤26 dB
Return loss	≥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-CMUX-18-2761-MLU	18-channel CWDM MUX/DEMUX, C27-C61, monitor port; LC 19-inch 1U rack

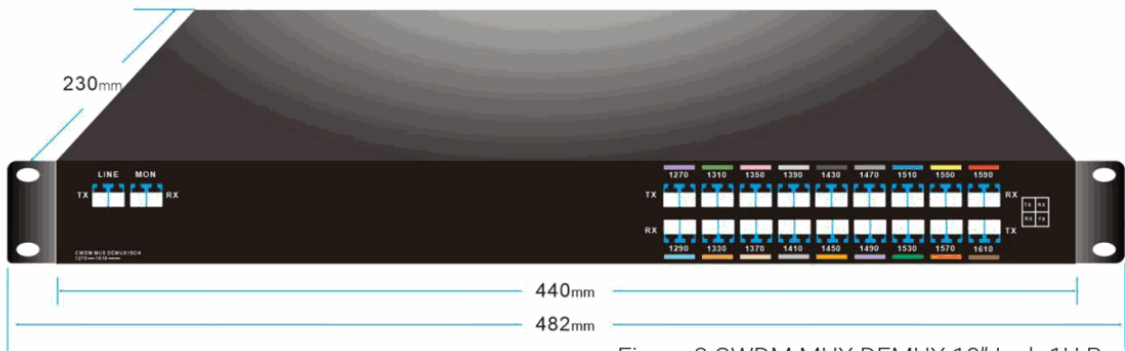


Figure 3 CWDM MUX DEMUX 19" Inch 1U Rack