

G-DMUX-16+1-4560-MLU

16-channel DWDM MUX/DEMUX, C45-C60, 1310 nm + EXP + MON

1. Product overview

16-channel DWDM MUX/DEMUX, C45-C60, 1310 nm + EXP + MON. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



2. Key features

- Passive optical operation; no electrical supply required.
- 16 channels; 100 GHz (0.8 nm).
- 16 channel pairs / line / 1310 nm / EXP / 1% MON.

3. Applications

Optical transport, metro networks, data center interconnect and fiber-capacity expansion.

4. Technical data

Parameter	Specification
Service / channel configuration	16 channels
Transmission topology	Dual fiber
Filter technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	44 × 440 × 230 mm (H × W × D)
Net weight	3.5 kg
Mounting / enclosure	19-inch 1U rack
Front mounting width (drawing)	482 mm

310 nm legacy-port applications: 1G LX/SX, 10G LR, 40G ER4/LR4 and 100G LR/ER4/LR4/ZR4. These are source claims; actual optics must match the port passband.

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-10 to +70°C
Storage temperature	-40 to +85°C

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
DWDM channels / wavelength range	C45-C60 / 1541.35-1529.55 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Channel spacing	100 GHz (0.8 nm)	Polarization dependent loss (PDL)	≤0.3 dB
Channel passband	±0.11 nm	Isolation, adjacent channels	≥30 dB
Insertion loss, wavelength ports	≤3.5 dB	Isolation, non-adjacent channels	≥45 dB
Link loss	≤4.5 dB	1310 nm port passband	1260-1360 nm
Center wavelength accuracy	±0.05 nm	Insertion loss, 1310 nm port	≤0.8 dB
Return loss	≥45 dB	Insertion loss in PDF ordering text	<5.4 dB
Directivity	≥45 dB	Insertion loss, 1% monitor port	≤26 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

ITU-T G.694.1 is cited in the source description. Product-specific safety certifications are not specified.

9. Ordering information

Product number	Description
G-DMUX-16+1-4560-MLU	16-channel DWDM MUX/DEMUX, C45-C60, 1310 nm + EXP + MON; LC/UPC; 19-inch 1U rack

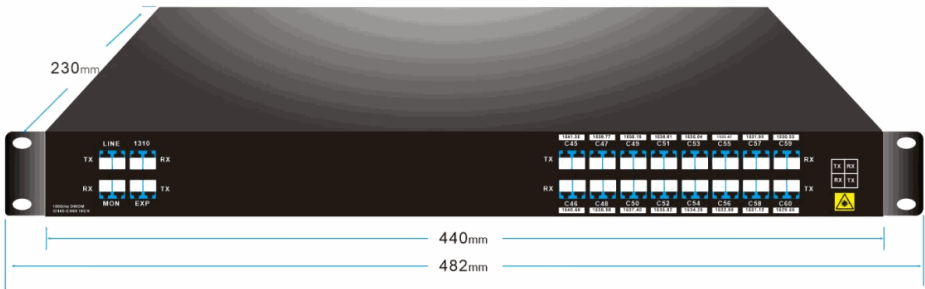


Figure 3 19" Inch 1U Rack