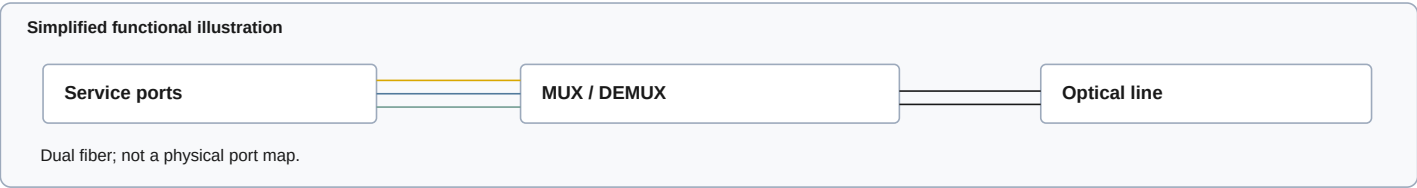
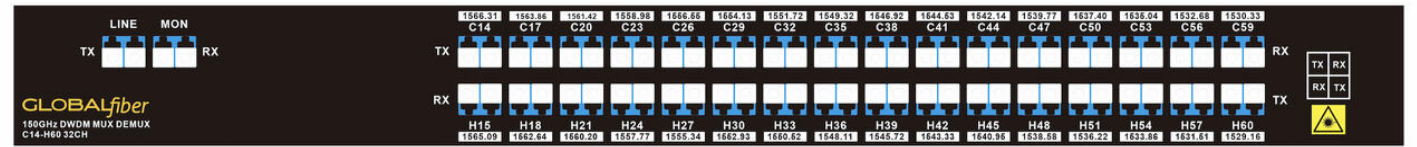


G-DMUX32-C14H60-MLU

32-channel DWDM MUX/DEMUX, C14-H60, 150 GHz

1. Product overview

32-channel DWDM MUX/DEMUX, C14-H60, 150 GHz. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



2. Key features

- Passive optical operation; no electrical supply required.
- 32 channels; 150 GHz.
- Line / channels / MON.
- Source application: 800G × 32 channels; compatible optics required.

3. Applications

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

4. Technical data

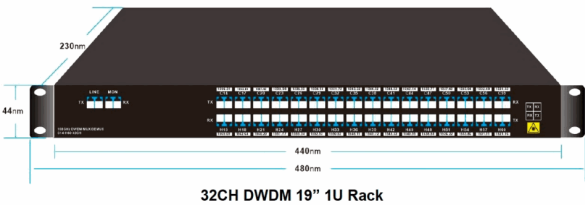
Parameter	Specification
Service / channel configuration	32 channels
Transmission topology	Dual fiber
Filter technology	AAWG (flat top)
Optical connector	LC/UPC
Dimensions	44 × 440 × 230 mm (H × W × D)
Net weight	3.5 kg
Mounting / enclosure	19-inch 1U rack
Front mounting width (drawing)	480 mm

Web application guidance additionally mentions up to 16 channels with 100 GHz optics, up to 32 with 50 GHz optics, and 32 with 150 GHz optics; these are webpage claims, not additional filter specifications.

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-5 to +65°C
Storage temperature	-40 to +85°C

Source mechanical illustration - housing dimensions; not a port-assignment reference.



G-DMUX32-C14H60-MLU

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
Wavelength range in PDF table	1566.314-1529.163 nm	Directivity	≥40 dB
Range in PDF introduction	1566.31-1529.16 nm	Polarization mode dispersion (PMD)	≤1.0 ps
Channel spacing	150 GHz	Polarization dependent loss (PDL)	≤0.7 dB
Channel passband	±0.5 nm	Isolation, adjacent channels	≥15 dB (central frequency)
Insertion loss, wavelength ports	≤6 dB	Isolation, non-adjacent channels	≥30 dB (central frequency)
Link loss	≤12 dB	Total crosstalk (source minimum)	≥5 dB
Center wavelength accuracy	±0.05 nm	-0.5 dB bandwidth	≥90 GHz
Return loss	≥40 dB	-3 dB bandwidth	≥150 GHz

32-channel 150 GHz plan

ITU channel	THz	nm	ITU channel	THz	nm
C14	191.4000	1566.314	C38	193.8000	1546.917
H15	191.5500	1565.087	H39	193.9500	1545.720
C17	191.7000	1563.863	C41	194.1000	1544.526
H18	191.8500	1562.640	H42	194.2500	1543.333
C20	192.0000	1561.419	C44	194.4000	1542.142
H21	192.1500	1560.200	H45	194.5500	1540.953
C23	192.3000	1558.983	C47	194.7000	1539.766
H24	192.4500	1557.768	H48	194.8500	1538.581
C26	192.6000	1556.555	C50	195.0000	1537.397
H27	192.7500	1555.343	H51	195.1500	1536.216
C29	192.9000	1554.134	C53	195.3000	1535.036
H30	193.0500	1552.926	H54	195.4500	1533.858
C32	193.2000	1551.721	C56	195.6000	1532.681
H33	193.3500	1550.517	H57	195.7500	1531.507
C35	193.5000	1549.315	C59	195.9000	1530.334
H36	193.6500	1548.115	H60	196.0500	1529.163

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

The source states a DWDM optical grid. No product-specific safety certification or active-laser classification is specified for this passive device.

9. Ordering information

Product number	Description
G-DMUX32-C14H60-MLU	32-channel DWDM MUX/DEMUX, C14-H60, 150 GHz; LC 19-inch 1U rack