Single-fiber CWDM MUX/DEMUX, 1471-1611 nm + 1310 nm, side A

PRODUCT OVERVIEW

Single-fiber CWDM MUX/DEMUX, 1471-1611 nm + 1310 nm, side A. Passive optical filtering combines and separates wavelength channels over a single fiber using complementary A/B configurations.

KEY FEATURES

- Passive operation; no electrical power supply required.
- 4 bidirectional services / 8 wavelengths + 1310 nm; 20 nm channel spacing.
- CWDM / line / 1310 nm.

APPLICATIONS

CWDM metro/access networks, point-to-point transmission, broadcast, data centers, cloud and enterprise networks.

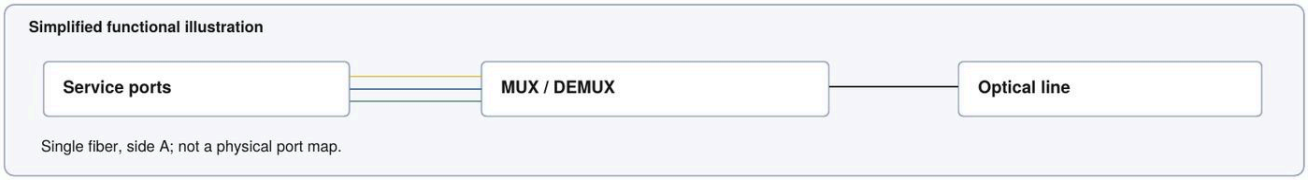
KEY SPECIFICATIONS

Channel / service configuration	4 bidirectional services / 8 wavelengths + 1310 nm
Optical topology	Single fiber, side A
Technology	TFF (thin-film filter)
Optical connector	LC/UPC / SC option
Fiber type	Single-mode fiber (SMF)
Rack configuration in web text	19-inch 1U chassis, 4 LGX slots

PRODUCT IMAGE



4CH 8Waves CWDM MUX Single Fiber Side A



RECOMMENDED OPERATING CONDITIONS

Parameter	Specification
Operating temperature	-40 to +85°C
Storage temperature	-40 to +85°C
Relative humidity	5-95%

OPTICAL CHARACTERISTICS

Optical parameter	Specification	Optical parameter	Specification
CWDM wavelength list	1471 / 1491 / 1511 / 1531 / 1551 / 1571 / 1591 / 1611 nm	Directivity	≥50 dB
Additional service port	1310 nm;	Polarization mode dispersion (PMD)	≤0.2 ps
Channel spacing	20 nm	Polarization dependent loss (PDL)	≤0.5 dB
Insertion loss, channel path	≤2.5-3.0 dB	Adjacent channel isolation	≥30 dB
Return loss	≥45 dB	Non-adjacent channel isolation	≥40 dB

DIGITAL DIAGNOSTICS AND MANAGEMENT

No built-in DDM, management protocol or electrical telemetry is specified for this passive device.

SAFETY AND REGULATORY

No product-specific safety certification is specified. This is a passive optical filtering device.

ORDERING INFORMATION

Product number	Description
GF-CM8LGX01-4761-31A	Single-fiber CWDM MUX/DEMUX, 1471-1611 nm + 1310 nm, side A; LC/UPC LGX4 module / 4-slot 1U system

Subject to change without notice. For more information visit globalfiber.no.