

GF-3G-LGX02-GXNVO-2

2 x 5CH CEx WDM

1. Product overview

2 x 5CH CEx WDM for coexistence of GPON / XGS-PON / NG-PON2 / RF Video / OTDR over shared optical fiber. Wavelength-selective optical paths combine or separate the supported services, allowing access-network upgrades using existing fiber infrastructure.



Product image from the corresponding GLOBALfiber product page.



2. Key features

- Supports GPON / XGS-PON / NG-PON2 / RF Video / OTDR
- Passive wavelength coexistence; no electrical power required
- Plug-in LGX housing for rack or cabinet installation

3. Applications

FTTH / FTTB access, GPON-to-XGS-PON migration, enterprise and campus access, and service-provider fiber infrastructure.

4. Technical data

Parameter	Specification
Configuration	2 x 5CH CEx WDM
Optical interfaces	PON SC/UPC; COM, RF Video and OTDR SC/APC
Dimensions (W x D x H)	LGX: 215 x 150 x 20 mm
Net weight	LGX: 0.5 kg
Associated rack (separate housing)	1U; 440 x 160 x 44 mm; 2.5 kg

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-40 to +85 °C
Storage temperature	-40 to +85 °C
Operating relative humidity	5 to 90% RH

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6. Optical characteristics

Values below are from the linked original PDF / identified family PDF. Bandpass and insertion loss apply to the corresponding COM-service path.

Service / path	Bandpass (nm)	Insertion loss (dB)	Isolation (dB)
GPON	1290-1330 / 1480-1550	<0.9	>30
XGS-PON	1260-1280 / 1575-1580	<1.1	>30
NG-PON2	1524-1544 / 1596-1603	<1.3	>30
RF Video	1550-1560	<1.5	>30
OTDR	1625-1675	<1.7	>30

Parameter	Specification
Uniformity	<0.8 dB
Return loss	>55 dB
Directivity	>55 dB
Polarization dependent loss (PDL)	<0.3 dB
Polarization mode dispersion (PMD)	<0.2 ps
Optical power handling	<300 mW

Insertion loss includes WDL, TDL and PDL, with two sets of mated connectors at both ends, as stated in the source PDF.

7. Digital diagnostics and management

No digital management or diagnostics interface is specified. OTDR optical access supports testing by an external instrument; the CEx module itself does not perform the measurement.

8. Safety and regulatory

No product-specific safety classification, regulatory certification or compliance test is stated in the reviewed sources.

9. Ordering information

GLOBALfiber part number	Product description
GF-3G-LGX02-GXNVO-2	2 x 5CH CEx WDM PON SC/UPC; COM, RF Video and OTDR SC/APC