

GF-1P16-LGX01A

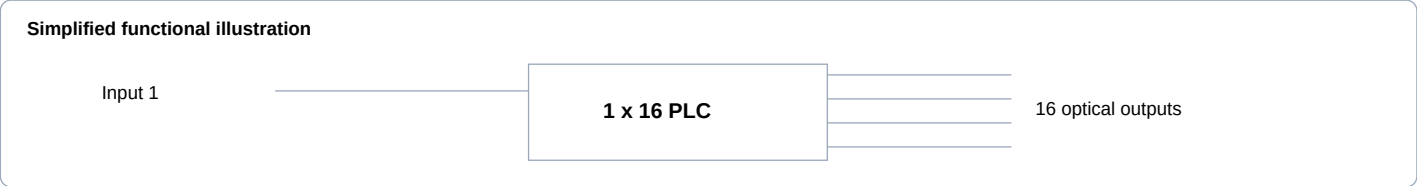
1 x 16 PLC optical splitter | LC/APC | LGX plug-in module

1. Product overview

Passive 1 x 16 optical power splitter based on silica-glass planar lightwave circuit (PLC) technology, with precision-aligned fiber pigtails. The compact LGX plug-in module distributes optical signals for PON and FTTx networks.



Original product image from the corresponding product page.



2. Key features

- Low insertion loss and polarization dependent loss; high channel uniformity
- Wide wavelength range and -40 to +85 °C operation
- Passive optical distribution; compact LGX plug-in module

3. Applications

GPON / XGS-PON and FTTx; LAN, WAN and metro networks; analog/digital passive optical networks; CATV. Single-input PON distribution to multiple subscribers.

4. Technical data

Parameter	Specification
Technology / configuration	PLC; 1 input(s), 16 outputs
Fiber type	SMF-28e or customer specified
Connector / package	LC/APC; LGX plug-in module
Dimensions (W x D x H)	215 x 150 x 20 mm
Additional source drawing / table dimensions	214.5 mm width in generic LGX drawing

5. Recommended operating conditions

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

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6. Optical characteristics

Specifications for the 1 x 16 configuration from the original PDF, page 3. Minimum, typical and maximum limits retain their source meaning.

Parameter	Specification
Operating wavelength	1260-1650 nm
Insertion loss - typical	13 dB
Insertion loss - maximum	13.5 dB
Loss uniformity - maximum	1.2 dB
Polarization dependent loss - maximum	0.3 dB
Wavelength dependent loss - maximum	0.5 dB
Temperature dependent loss (-40 to +85 °C) - maximum	0.8 dB
Return loss	= 50 dB
Directivity - minimum	55 dB

7. Digital diagnostics and management

No digital diagnostics or management interface is specified. The splitter is a passive optical component; no active monitoring or protection switching is specified.

8. Safety and regulatory

The original PDF lists compliance with Telcordia GR-1209-CORE and GR-1221-CORE. These references also appear in the product information. No product-specific laser safety class is stated.

9. Ordering information

GLOBALfiber part number	Product description
GF-1P16-LGX01A	1 x 16 PLC optical splitter LC/APC LGX plug-in module 215 x 150 x 20 mm