

SKU: 81.SCAPC2X1WDMC
Category:

FlexSym XGS-PON Combiner

The Tellabs FlexSym® XGS-PON Combiner enables ITU-T G.984 G-PON and ITU-T G.9807 XGS-PON wavelengths to coexist within the same single mode fiber cabling and across the same passive optical distribution splitters. Thus, existing Tellabs Optical LAN deployments with G-PON ONTs can cost-effectively migrate to 10G XGS-PON ONTs on a strategic per device, service, user and ONT basis. For new installations, the Tellabs FlexSym XGS-PON Combiner helps deliver unique flexibility to optimize your 10-gigabit connectivity by only connecting the 10G XGS-PON ONTs, with symmetrical bandwidth and bi-directional encryption, to those devices, services, and users that truly require higher multi-rate 2.5, 5 and 10 gigabit speeds.

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Features

- Optimized interworking with Tellabs Optical LAN equipment inside buildings and across a campus
- Tellabs FlexSym XGS-PON Combiner mounts in standard LGX enclosure
- Combines G-PON and 10G XGS-PON wavelengths onto a single fiber enabling G-PON and 10G across same optical infrastructure
- Provides optimal upstream filtering to eliminate any unwanted wavelengths maximizing efficiency
- Connected ONTs can be either G-PON, or 10G XGS-PON, and either closet-based, or deep fiber placement

Highlights

Investment Protection

Allows for ITU G.984 G-PON and ITU G.9807 XGS-PON wavelengths to coexist within the same single mode fiber cabling and across the same passive optical distribution splitters.

Cost optimize 10 Gigabit

Not all enterprise-based devices, services and users require 2.5, 5 and 10 gigabit connectivity, therefore this combiner enables G-PON ONTs to stay, and add new multi-rate XGS-PON ONTs strategically.

Extended Temperature

This G-PON and XGS-PON combiner is rated to withstand industrial temperatures for a wide range of mounting options.

Flexible Mounting Options

The Tellabs FlexSym XGS-PON Combiner mounts in a standard LGX enclosure.

Specifications

Physical

- Weight: 0.84 lb (0.38 kg)
- Depth: 6.21 in (157.8 mm)
- Width: 1.1 in (29 mm)
- Height: 5.1 in (129 mm)

Interfaces

- Two (2) input ports for G-PON and XGS-PON
- One (1) common output port
- SC/APC connectors

Environmentals

- Relative Humidity: 5-95% noncondensing
- Temperature: -40° to +185° F (-40° to +85° C)

Compliance

- RoHS

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Optical

- G-PON Band 1300 to 1320 dB and 1480 to 1500 dB
- XGS-PON (NGA) Band 1260 to 1280 nm and 1524 to 1625 nm
- Insertion Loss G-PON BAND 1.2 dB, includes connector loss
- Insertion Loss XGS-PON BAND 1.2 dB, includes connector loss
- Max Input Power Damage Threshold 25 dBm

Installations

- Standard LGX enclosure

Ordering Information

- Limited Availability
- Part Number: 81.SCAPC2X1WDMC

General

The development, release, and timing of features or functionality described for Tellabs products remains at Tellabs sole discretion. The information that is provided within this data sheet is not a commitment nor legal obligation to deliver any material, code or functionality.

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