



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.

## 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

## 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

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