



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

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- 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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