



**SKU:** 81.11S-OLTM-PLUS-R

**Category:** Optical Line Terminals, Shelves

## FlexSym OLT-mini PLUS (Rack Mount)

The Tellabs FlexSym® OLT-mini PLUS (Rack Mount) shelf assembly is designed for small-sized, long reach and outdoor enterprise deployments. The FlexSym OLT-mini PLUS chassis can be equipped with five (5) Tellabs FlexSym® Optical Interface Unit Two (OIU2). The FlexSym OIU2 is a 2-port Passive Optical Network (PON) service module with four (4) SFP+ 10 gigabit Ethernet network interfaces integrated on the card. The OIU2 is sold separately.

## Features

- Outdoor hardened with extended temperature range
- Keep costs under control with a pay-as-you-grow model
- Daisy chain using the Ethernet network interfaces
- Share same chassis with multiple separate networks
- Support PON redundancy across multiple cards
- Equip with redundant service, uplinks, power and fans

## Highlights

### Savings

The FlexSym OLT-mini PLUS can be equipped with five (5) Tellabs FlexSym OIU2 that has 2-port PON ports. That means that the OLT-mini PLUS can support from two to ten PON ports in a cost effective “pay-as-you-grow” fashion.

### Scalability - Ethernet

With the OLT-mini PLUS supporting from two to ten PON ports, this allows for the connection of 64 to 320 Optical Network Terminals (ONT). If we assume an optical split of 1:32 and 4-port Ethernet ONTs are used, then a single OLT-mini PLUS can connect from 256 to 1,280 Ethernet end-points.

### Scalability - Reach

The OLT-mini PLUS and with the OIU2 four (4) Ethernet SFP+ 10 gigabit uplinks offers the ability to daisy chain other OLT-mini PLUS for extended reach of 40 kilometer in between system. By tethering multiple OLT-mini PLUS this network can span hundreds of kilometers.

### Smart

The Tellabs FlexSym OIU2 supports both ITU-T 984 G-PON and ITU-T G.9807/G.987 XGS-PON 10G connectivity down to the Optical Network Terminals (ONT). This allows for efficient convergence of all enterprise

**connectivity by leveraging fiber cabling's limitless capacity deep into your buildings and campus by exactly equipping the OIU2 with the precise 2.5G and 10G speed that is warranted - thus, minimizing energy and costs.**

## **Powering**

**The Tellabs FlexSym OLT-mini PLUS assembly includes AC/DC rectifier shelf. It can be equipped with up to two (2) 800W rectifier modules for redundancy, best reliability and maximum network uptime.**

## **Mounting**

**This OLT-mini PLUS is engineered for rack mount installation. The rack mount brackets allow for easy, quick and flexible mounting options directly to a equipment racks.**

# **Specifications**

## **Physical**

- Height: 10.5 in
- Width: 12 in rack (including mounting brackets 15.6 in)
- Depth: 16.2 in (swing clearance 19 in)
- Weight: 30 lbs (fully loaded ~40 lbs)

## **Powering**

- 42 to 60 V DC @ 10 A maximum
- Up to two (2) 800W rectifier module
- AC power cord for rectifier module

## **Environmental**

- Operating temperature: -40° C to +65° C (-40° F to +149° F)
- Storage temperature: -40° C to +70° C (-40° F to +158° F)
- Humidity: 5%-95%, noncondensing Mounting (Stacked configuration)
- Fan tray: Temperature and Fan Speed Control
- Fan tray: Status and Alarm LED Indicators
- Fan tray: Push-button on the front panel runs a self-test
- Fan tray: Maximum 800 CFM airflow (200 CFM per fan)

## **Compliance**

- NEBS
- UL
- FCC

**Management**

- Craft User Interface (CUI)
- Tellabs Panorama Element Management System (EMS)

**Software Support**

- Holds two versions of software with image integrity checking and automatic rollback
- Minimum base software SR32.0 and higher

**Installations**

- Wall mount

**Ordering Information**

- Tellabs FlexSym OLT-mini PLUS (Rack Mount): 81.11S-OLTM-PLUS-R
- Tellabs FlexSym OIU2: 81.11C-OIU2 [Ordered Separately]

**General**

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