

SKU: 81.11S-OLT6
Category:

FlexSym Optical Line Terminal Six (OLT6)

The Tellabs FlexSym® Optical Line Terminal Six (OLT6) distribution shelf is designed for mid-sized enterprise deployments. The Tellabs FlexSym OLT6 is scalable for enterprise Optical LAN support of G-PON 2.5G, symmetrical XGS-PON 10G and future NG-PON2 40G.

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Features

- Up to 32 PON interfaces and up to 2,048 ONTs (with OIU8)
- 80 Gbps per multiservice slot capable
- Ideal for G-PON 2.5G, XGS-PON 10G and future NG-PON2 40G
- 48GbE in network connectivity (with redundant ESU32)

Highlights

Overview

The Tellabs FlexSym OLT6 shelf is ideal for space-challenged installations in data centers, communications closets and outdoor remote cabinets. It has redundant power rectifiers integrated with the distribution shelf, resulting in faster installations. By integrating the power rectification, the time and material needed to install this
distribution shelf are significantly reduced. Just like all other Tellabs OLT distribution shelves, this Tellabs OLT6 leverages common software and common service cards. The OLT6 can be equipped with the Ethernet Switch Unit Thirty-Two (ESU32) for wide area network connectivity.

Scalability

The Tellabs FlexSym OLT6 distribution shelf supports 4 multi-purpose plug-in card slots that can be equipped from 4 to 32 PON ports. The OLT6 is architected with the necessary capacity for ITU-T 984 G-PON (2.5G), ITU-T 987/9807 symmetrical XGS-PON (10G) and beyond. There are two Ethernet Switch Unit plug-in card slots that can support from 1 to 4 10G and 4 to 8 1G wide-area network connections.

Stability

The Tellabs OLT6 distribution shelf-high availability configurations allowing redundant Ethernet Switch Units, Common Controls, Timings, Powering, Fans and Network Uplinks. Non-service affecting sideswitching, fail-over, or card-swapping at less than 50ms and any failover of redundantly deployed cards generates an alarm while service remains intact is supported by the OLT6.

Powering

Tellabs FlexSym OLT6 supports dual AC inputs for redundant power supply. The integrated redundant power rectifiers mean faster installations and less material needed to install this distribution shelf. It also improves system reliability.

Mounting

The OLT6 can be installed in both outdoor and indoor environments, including space-challenged installations in data centers, communications closets and outdoor remote cabinets. It supports both 19 and 23 brackets options.

Specifications

Physical

- Weight: 28 lb/12.70 kg
- Depth: 16 in/40.64 cm
- Width: 19 in/43.18 cm

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- Height: 6 in/15.24 cm

Power

- Max draw: 6.0 A @ 48 VDC
- Power feeds: Dual 48 V power feeds
- Total input power: 600 W

Local Power Options

- PWR, 1134AC, AC-DC, 48-53.5V, 2KW: 81.11P-1134ACPW-R6
- PWR AC CORD C13 TO BS89/13 (TYPE G) UK: 81.11W-C13TYPG-R6
- PWR AC CORD C13 TO SAA3 (TYPE I) AU: 81.11W-C13SAA3-R6
- PWR AC CORD C13 TO CEE7/7 (Schuko): 81.11W-C13CEE77-R6
- PWR CORD 14AWG C13 TO 3 PRONG 1.8M: 81.11W-PC-C13-B-R6
- Tellabs 1134AC power rectifier: 81.11P-1134ACPW-R6

Environmental

- Temperature: -40°F/-40°C to +149°F/+65°C
- Relative humidity: 5% to 95%, noncondensing
- Altitude: -200 ft/-61 m to +10,000 ft/+3 km
- Fan: 950 CFM integrated with horizontal discharge

Compliance

- UL
- FCC

Management

- Tellabs Panorama PON Manager
- Command Line Interface (CLI)

Software Support

- Minimum base software SR31.0 and higher

Installation

- Alarming: No dry relay contact inputs
- Timing: No timing support for fax or modem traffic
- Cable management: Cable guides on right side
- Mounting: 19 or 23 rack options

Ordering Information

- Tellabs OLT6: 81.11S-OLT6
- Tellabs 1134 fan assembly (OFA1): 4115094
- Tellabs 1134AC power rectifier: 81.11P-1134ACPW-R6

General

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