DeltaStream 1-port Pizzabox GPON Optical Line Terminal

MODEL:DS-P7001-01

Overview

The DS-P7001-01 is a DeltaStream 1-port Pizzabox GPON Optical Line Terminal with full L2 and advanced L3 features designed for small-scale network usage scenarios. The pizza-box OLT supports both DC and PoE power supply, and its advanced L2/L2+ functions design further improves the stability of the OLT network.

1:128 Split Ratio

Supports 1:128 splitting ratio - suitable for small-scale network usage scenarios.

Power Supply for Flexibility

Supports both DC and PoE power supply, providing versatile and flexible power options to meet the diverse needs of different environments.

Compact Size for Flexible Deployment

11.6 inch rack mount size is flexible and easy to deploy, suitable for different application scenarios.

Centralized Management

Makes maintenance easier with remote batch configuration and updates via DeltaStream PON Management System(DPMS), SNMP, CLI, and WEB UI.

Specifications

Hardware

- Interface
  - 1× 10 Gbps SFP+ Uplink Port,
  - 1× 10/100/1000/2500Mbps RJ45 Uplink Port,
  - 1× PON Port (SFP Slot),
  - 1× RJ45 Console Port,
  - 1× RJ45 MGMT Port

- Power Supply
  - DC Adapter: 12.0V/2.5A,
  - 802.3at PoE: 42.5~57V/0.6A

- Dimensions (W * D * H)
  - 11.6 × 5.5 × 1.7 in(294 × 140 × 44 mm)
- Button
  - 1× RESET button
- Power Consumption
  - Max. 17W

GPON Port Attribute

- Max. Splitting Ratio
  - 1:128
- Data Rate
  - Downstream: 2.5Gbps; Upstream: 1.25Gbps
- Wave Length
  - Tx: 1490nm, Rx: 1310nm
- Fiber Type
  - 9/125μm SMF (Single Mode Fiber)
- Transmission Distance
  - 60km
- Interface Type
  - SC/UPC
- Tx Power
  - Class C++

Software

- OMCI
  - Standard OMCI Management Supported
- ONU Authentication
  - ONU Auto Authentication
- Multi-Service
  - Multi-Service Traffic Identify and Rate Limit
- Routing
  - Static Routing
- Mulitcast
  - IGMP Snooping/MLD Snooping
- DHCP
  - DHCP Server, DHCP Relay
- Security
  - ACL, 802.1x Authentication
- ONU Security
  - Rouge ONU Detection and Isolation,
  - Uplink and Downlink Data Encryption
- QoS
  - IEEE 802.1p/DSCP QoS
  - Voice VLAN
  - Auto VoIP
- Centralized Management
  - Large-Scale Devices Management,
  - OLT Batch Configure, Upgrade, Reboot,
  - Multi-Site Management,
  - Intelligent Network Monitoring,
  - Real-time Network Overview

Others

- Certification
  - CE,FCC

- Environment
  - Operating Temperature: 0°C~50°C (32°F ~122°F)
  - Storage Temperature: -40°C~70°C (-40°F ~158°F)
  - Operating Humidity: 10%~90% non-condensing
  - Storage Humidity: 5%~90% non-condensing

- Package Contents
  - DeltaStream 1-port Pizza-box GPON Optical Line Terminal
  - DC Adapter and Console Cable
  - Installation Guide
  - Mouting Brackets, Screws and Rubber Feet