

DeltaStream 16-port Pizza-box GPON Optical Line Terminal



MODEL:DS-P7001-16

Overview

The DS-P7001-16 is a DeltaStream 16-port Pizza-box GPON Optical Line Terminal with full L2 and advanced L3 features designed to meet a wide range of business needs. The pizza-box OLT supports a higher number of ONUs and its dual power supply redundancy design further improves the stability of the OLT network.



1:128 Split Ratio for High Capacity

Supports 1:128 splitting ratio for every port—up to 2048 ONTs by one device.



Redundant Dual Power Supplies

Carrier-class reliability with redundant dual power supplies supporting AC, DC or mixed power input.



Compact Size for Flexible Deployment

19 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**
4× 10 Gbps SFP+ Uplink Port,
2× 10/100/1000Mbps RJ45 Uplink Port,
16× PON Port (SFP Slot),
1× RJ45 Console Port,
1× RJ45 MGMT Port,
1× Alarm Port
- **Power Supply**
Dual Power Supply, 2 AC, 2DC or AC+DC,
AC: 100V~240V, 50/60Hz,
DC: -38.4V~-72V
- **Dimensions (W * D * H)**
17.3 × 17.3 × 1.7 in(440 × 440 × 44 mm)
- **Button**
1× RESET button
- **Power Consumption**
Max. 103W

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**
20km
- **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
- **Multicast**
IGMP Snooping/MLD Snooping
- **DHCP**
DHCP Server, DHCP Relay
- **Security**
ACL, 802.1x Authentication, ARE Inspection, IP Source Guard
- **ONU Security**
Rogue 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 16-port Pizza-box GPON Optical Line Terminal
Power Cord and Console Cable
Installation Guide
Mounting Brackets, Screws and Rubber Feet