

# DeltaStream 16-port Pizza-box GPON Optical Line Terminal

MODEL: DS-P7001-16



## 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

|                  |  |                               |  |
|------------------|--|-------------------------------|--|
| <b>Interface</b> | 4 x 10 Gbps SFP+ Uplink Port, 2 x 10/100/1000Mbps RJ45 Uplink Port,<br>16 PON Port (SFP Slot), 1 RJ45 Console Port, 1 RJ45 MGMT Port, 1 Alarm Port | <b>Power Supply</b>           | Dual Power Supply, 2 AC, 2DC or AC+DC, AC: 100V~240V, 50/60Hz, DC: -38.4V~-72V |
| <b>Button</b>    | Reset Button   | <b>Dimensions (W * D * H)</b> | 17.3 × 10.2 × 1.7 in(440 × 260 × 44 mm)  |
|                  |  | <b>Power Consumption</b>      | Max. 70W   |

## GPON Port Attribute

|                             |   |                              |          |
|-----------------------------|---|------------------------------|----------|
| <b>Max. Splitting Ratio</b> | 1:128                                   | <b>Transmission Distance</b> | 20km     |
| <b>Data Rate</b>            | Downstream: 2.5Gbps; Upstream: 1.25Gbps | <b>Interface Type</b>        | SC/UPC   |
| <b>Wave Length</b>          | Tx: 1490nm, Rx: 1310nm                  | <b>Tx Power</b>              | Class C+ |
| <b>Fiber Type</b>           | 9/125µm SMF (Single Mode Fiber)         |                              |          |

## Software

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

## Others

|                      |  |                         |  |
|----------------------|--|-------------------------|--|
| <b>Certification</b> | CE,FCC   | <b>Package Contents</b> | OLT Device                               |
| <b>Environment</b>   | Operating Temperature: 0°C~50°C (32°F~122°F),<br>Storage Temperature: -40°C ~70°C (-40°F ~158°F) |                         | Power Cord and Console Cable             |
|                      |  |                         | Installation Guide                       |
|                      |  |                         | Mouting Brackets, Screws and Rubber Feet |