



DeltaStream 8-port Pizza-box GPON Optical Line Terminal

DS-P7001-08



1:128 Split Ratio for High Capacity

Supports 1:128 splitting ratio for every port—up to 1024 ONTs by one device.



Dual Redundant 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 | 2 10 Gbps SFP+ uplink port, 1 10/100/1000Mbps RJ45 uplink port, 8 PON Port (SFP Slot), 1 RJ45 Console Port | Power Supply | Dual Power Supply, 2 AC, 2DC or AC+DC, AC: 100V~240V, 50/60Hz, DC: -38.4V~-72V |
| Button | Reset Button | Dimensions (W * D * H) | 17.3 × 10.2 × 1.7 in(440 × 260 × 44 mm) |
| | | Power Consumption | Max. 70W |

GPON Port Attribute

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

Software

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

Others

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