

DeltaStream 8-port Pizzabox XGS-PON&GPON Combo Optical Line Terminal



MODEL: DS -P7500-08

Overview

The DS-P7500-08 is a DeltaStream 8-port Pizza-Box XGS-PON& GPON Combo 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.



High Split Ratio for High Capacity

Support 1:256 (XGS-PON) & 1:128 (GPON) splitting ratio for every port - up to 3072 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

2× 40 Gbps QSFP+ Uplink Port,
2× 10 Gbps SFP+ Uplink Port,
8× XGS-PON&GPON Combo 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 × 13.0 × 1.7 in(440 × 330 × 44 mm)

- Button

1× RESET button

- Power Consumption

Max. 103W

Combo PON Port Attribute

- Max. Splitting Ratio

GPON: 1:128
XGS-PON: 1:256

- Data Rate

GPON: Downstream: 2.5Gbps, Upstream: 1.25Gbps
XGS-PON: Downstream: 9.953Gbps, Upstream: 9.953Gbps

- Wave Length

GPON: Tx: 1490nm, Rx: 1310nm
XGS-PON: Tx: 1577nm, Rx: 1270nm

- Fiber Type

9/125µm SMF (Single Mode Fiber)

- Transmission Distance

20km

- FEC

Support FEC

- Interface Type

SC/UPC

- Optical Module Specifications

Type: XGS-PON& GPON Combo Optical Module, Class C++
GPON: TX Power: 3-7dBm, RX Sensitivity: -32dBm
XGS-PON: TX Power: 5-8dBm, RX Sensitivity: -29dBm
Minimum Overload: GPON: -12dBm, XGS-PON: -8dBm
Extinction Ratio: GPON: 8.2dB, XGS-PON: 8.2dB

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

- 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 8-port Pizza-box XGS-PON&GPON Combo Optical Line
Terminal Power Cord and Console Cable Installation Guide Mounting
Brackets, Screws and Rubber Feet