

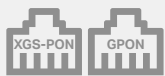
DeltaStream 8-port Pizzabox XGS-PON&GPON Combo Optical Line Terminal



MODEL:DS-P7501-08

Overview

The DS-P7501-08 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× 100 Gbps QSFP28 Uplink Port,
2× 25 Gbps SFP28 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: -48V~-60V
- **Dimensions (W * D * H)**
17.3 × 13.0 × 1.7 in (440 × 330 × 44 mm)
- **Button**
1× RESET button
- **Power Consumption**
Max. 125W

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