DeltaStream Chassis Optical Line Terminal-X2

MODEL:DS-P8000-X2

Overview

The DS-P8000-X2 is a DeltaStream Chassis Optical Line Terminal with full L2 and advanced L3 features designed to meet a wide range of business needs. The chassis OLT supports a higher number of ONUs and allows flexible upgrade from subscriber scale, GPON to XGSPON by replacing the service board. Its dual main control and dual power supply redundancy design further improves the stability of the OLT network.

High Performance Distributed Architecture

Supports up to 200Gbit/s switch capacity for each service slot.

Constant Carrier-Class Reliability

Dual redundant power supplies ensures carrier-class reliability. Dual Main Control Unit backup ensures uninterrupted service during upgrades or single point failures.

Flexible and Multiple Service Capabilities

Supports different specifications of GPON or XGS-PON&GPON Combo Service Board.

Free Centralized Management

Makes maintenance easier with remote batch configuration and updates via DeltaStream PON Management System(DPMS), SNMP, CLI, and WEB UI.

Specifications

Hardware

- **Slot**

  Service Board Slot: 1/2
  Main Control Unit Slot: 3/4
  Power Supply Unit Slot: 5/6

- **Uplink Port Number**

  DS-MCUA: 6× 10Gbps SFP+,
  1× 10/100/1000Mbps RJ45

- **Dimensions (W * D * H)**

  The whole machine (without angle iron and fiber manager):
  443 × 271.3 × 88 mm
  The whole machine (with angle iron, without fiber manager):
  446 × 271.3 × 88 mm (excluding angle iron mounting ears)
  483 × 271.3 × 88 mm (including angle iron mounting ears)
  The whole machine (with angle iron and fiber manager):
  447.2 × 271.3 × 88 mm (excluding angle iron mounting ears)
  484.2 × 271.3 × 88mm (including angle iron mounting ears)

- **GPON Number**

  32

- **XGS-PON&GPON Combo Number**

  32

- **Power Supply**

  Dual Power Supply, AC+DC,
  AC: 100V~240V, 50/60Hz,
  DC: -38.4V~-57.6V

- **Power Consumption**

  2× DS-MCUA + 2× DS-LGPA-16 + DS-PSUA + DS-FANA:
  Max 262W

- **Button**

  1× RESET button

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 Chassis Optical Line Terminal-X2   DS-P8000-X2
  1× AC Power Cord, 1× DC Power Cord, 1× Console Cable
  Installation Guide
  Fiber Manager and Ground Wire
  Mouting Brackets, Screws and Rubber Feet
  ESD-Preventive Wrist Wrap

Software

- **OMCI**

  Standard OMCI Management Supported

- **ONU Authentication**

  ONU Auto Authentication

- **Multi-Service**

  Multi-Service Traffic Identify and Rate Limit

- **Routing**

  Static Routing

- **Mulitcast**

  IGMP Snooping/MLD Snooping

- **DHCP**

  DHCP Server, DHCP Relay

- **Security**

  ACL, 802.1x Authentication, ARE Inspection, IP Source Guard

- **ONU Security**

  Rouge 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

- **Reliability**

  CFM, Load Balance/Link Backup
  ISSU(In Service Software Upgrade)