



# TP-Link DeltaStream DS-P7501-08 optical line terminal (OLT)

**Brand :** TP-Link      **Product family:** DeltaStream      **Product code:** DS-P7501-08  
**Product name :** DS-P7501-08



- 8× PON Ports: 8× XGS-PON & GPON combo ports support both XGS-PON and GPON service delivery
  - High Scalability: Supports a 1:128 splitting ratio for GPON services and 1:256 for XGS-PON
  - High-Speed Uplink Ports: 2× 100G QSFP28 and 2× 25G SFP28 ports offer high-bandwidth uplink connectivity
  - Dual Power Supplies: Carrier-class reliability with dual hot-swappable power supplies: AC, DC, or mixed-power supplies
  - L2 & Advanced L3 Functions: Rich and robust functions satisfy flexible deployment and scalability needs
  - Centralized Management: Supports the management via the DeltaStream PON Management System (DPMS), SNMP, CLI, and Web UI
- 100G, PON, RJ-45, DHCP, ACL
- TP-Link DeltaStream DS-P7501-08. Switching capacity: 100 Gbit/s, GPON split ratio (max): 1:128, Maximum operating distance (GPON): 20000 m. Networking standards: IEEE 802.1x. AC input voltage: 100/240 V, AC input frequency: 50/60 Hz, DC voltage range: 72 V. Width: 440 mm, Depth: 330 mm, Height: 44 mm

Features		Power	
Switching capacity	100 Gbit/s	AC input frequency	50/60 Hz
DHCP server	✓	DC voltage range	72 V
DHCP relay	✓	Power consumption (max)	109.2 W
GPON split ratio (max)	1:128	Operational conditions	
Maximum operating distance (GPON)	20000 m	Operating temperature (T-T)	0 - 50 °C
Ports & interfaces		Storage temperature (T-T)	-40 - 70 °C
Networking standards	IEEE 802.1x	Operating relative humidity (H-H)	10 - 90%
Ethernet LAN (RJ-45) ports	2	Storage relative humidity (H-H)	5 - 90%
GPON ports quantity	8	Weight & dimensions	
SFP/SFP+ slots quantity	2	Width	440 mm
Power		Depth	330 mm
AC input voltage	100/240 V	Height	44 mm



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