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	
Switching capacity	100 Gbit/s
DHCP server	✔
DHCP relay	✔
GPON split ratio (max)	1:128
Maximum operating distance (GPON)	20000 m

Ports & interfaces	
Networking standards	IEEE 802.1x
Ethernet LAN (RJ-45) ports	2
GPON ports quantity	8
SFP/SFP+ slots quantity	2

Power	
AC input voltage	100/240 V

Power	
AC input frequency	50/60 Hz
DC voltage range	72 V
Power consumption (max)	109.2 W

Operational conditions	
Operating temperature (T-T)	0 - 50 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%

Weight & dimensions	
Width	440 mm
Depth	330 mm
Height	44 mm

1210002600200

0840460600095

840460600095

Catalog Object Cloud

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.

Publication date: 27-AUG-2026. Prints or copies of Information are only valid on the printed Publication date