

Highlights

High-Performance Connectivity

8-Ports OLT boasts eight Gigabit Passive Optical Network (GPON) ports, facilitating high-speed data transmission. This makes it an indispensable solution for large-scale deployments in Fiber to the Home (FTTH) networks, ensuring seamless and robust connectivity.

Interoperability and Compatibility

Our 8-Ports OLT is highly interoperable, seamlessly integrating with a wide range of GPON Optical Network Units (ONUs) and other networking equipment. This flexibility ensures versatility in deployment scenarios.



OLT400-08

Layer 3 8-Ports GPON OLT

The DFL-F2100-08 is a pizza-box GPON OLT with 8 PON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/remote/cost-sensitive area, smart industrial park, commercial building and FTTM, etc.

The G-PON service delivers up to 2.54Gbps speed over optical fiber wiring, it enables next-generation simultaneous voice, video and data services including high-speed Internet access, video streaming. DPN-6608 is a cost-effective, easy-to-deploy technology ideal for multiunit building (MxU), like department, hotel, etc.

Advanced Layer3 Routing

Distinguished by its advanced Layer 3 routing capabilities, this OLT empowers network administrators with sophisticated tools for efficient data routing and network segmentation. This capability enhances the overall performance and adaptability of the network, facilitating diverse and complex configurations.

VLAN Support for Network Segmentation

This OLT supports Virtual Local Area Network (VLAN) functionality, allowing for efficient network segmentation. This feature is instrumental in creating isolated and secure network segments, enhancing both security and network management.

User-Friendly installation and Remote Management

The installation process is designed with user-friendliness in mind, providing step-by-step guidance for a seamless setup experience. Remote management capabilities further simplify network maintenance, allowing for efficient monitoring and configuration adjustments from a centralized location.

Technical Specifications

Chassis	• Rack	• 1U 19Inch Standard Box
Uplink Port	• QTY	• 8
	• RJ45	• 4
	• SFP(GE)	• 2
	• SFP+(10GE)	• 2
GPON Port	• QTY	• 8
	• Physical Interface	• SFP Slots
	• Max splitting ratio	• 1:128
Management Ports		• 1* 10/100/1000BASE-T out-band port, 1* CONSOLE port, • 1* USB2.0
Backplane Bandwidth (Gbps)		• 104
Port Forwarding Rate (Mbps)		• 65,472
PON Port Specification	• Transmission Distance	• 20KM
	• GPON port speed	• Upstream 1.244Gbps, Downstream 2.488Gbps
	• Wavelength	• TX 1490nm, RX 1310nm
	• Connector	• SC / UPC
	• Fiber Type	• 9/125um SMF
	• Supported PON module level	• Class B+, C, C+, C++, C+++
Management Mode		• EMS, WEB, SNMP, Telnet, CLI

Standard Image Software Features

Management Function	• SNMP,Telnet,CLI,WEB,SSH v2; • Fan Group Control • Port Status monitoring and configuration management • Online ONTconfiguration and management • User management • Alarm management
L2 Switch	• 32K Mac address • Support 4096 VLANs • Support port VLAN • Support VLAN tag/Un-tag, VLAN transparent transmission • Support VLAN translation and QinQ • Support storm control based on port • Support port isolation • Support port rate limitation • Support 802.1D and 802.1W • Support static LACP,Dynamic LACP • QoS based on port, VID, TOS and MAC address • Access control list • IEEE802.x flowcontrol • Port stability statistic and monitoring

Multicast	• IGMP snooping • 2048 IP Multicast Groups
DHCP	• DHCP server,DHCP relay,DHCP snooping • DHCP option82
Layer 3 Route	• ARP proxy • 4096 hardware Host Routes,512 hardware Subnet Routes • Support 802.1X,Radius,Tacacs+ • Support IP source guard • Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3;
IPv6	• Support NDP • Support IPv6 Ping,IPv6 Telnet,IPv6 routing; • Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc; • Support MLD v1/v2 snooping (Multicast Listener Discovery snooping)
GPON Function	• Tcont DBA • Gempport traffic • In compliant with ITU-T984.x standard • Up to 20KM transmission Distance • Support data encryption, multi-cast, port VLAN, separation, RSTP, etc • Support ONT auto-discovery/link detection/remote upgrade of software • Support VLAN division and user separation to avoid broadcast storm • Support power-off alarm function, easy for link problem detection • Support broadcasting storm resistance function • Support port isolation between different ports • Support ACL and SNMP to configure data packet filter flexibly • Specialized design for system breakdown prevention to maintain stable system • Support RSTP,IGMP Proxy
Dimension	• 442mm*319mm*43.6mm
Weight	• Net weight of single power: 4.05kg • Gross weight of single power: 5.65kg
Power Consumption	• 45W
Working Temperature	• 0°C ~+50°C
Relative Humidity	• 5~90% (non-condensing)
Ordering Information	
Production Description	• 8*GPON,4*RJ45+2*SFP+2*SFP+
Power configuration	• 1*AC power • 2*AC power • 2*DC power • 1*AC power + 1* DC power
Accessoriess	• GPON SFP C++ module • GPON SFP C+++ module • 1G SFP module • 10G SPF+ module