1U 2PON EPON OLT

Brief Introduction

2PON OLT is the EPON OLT optical line terminal equipment. It can support 2 EPON PON ports and connect 128 ONU at most (by 1:64 splitter), and provides 2 uplink GE optic SFP slots and 2 uplink copper SFP slots.

Front View

Functional Feature

✧ **High Stability with low cost and flexible networking construction**

▢ Two fixed PON slots with 1:64 splitting ratio at most

▢ FD1002S could support 128 ONU maximally

▢ Maximum Transmission distance:20km (1:32 splitting ratio)

✧ **Comprehensive Network Management**

▢ In band and out band management;

▢ Support Telnet and local command lines management;

▢ EMS management based on standard SNMP protocol;

▢ Support online upgrading.

▢ **Powerful QOS Function**

▢ Realize stable and efficient dynamic bandwidth allocation (DBA)

▢ **Various OAM Function**

▢ ONU auto-detection and registration;

▢ Support LGMP and Snooping function;

▢ Support port flow control and flow shaping.

Specification

Item	Parameter	Specification
Ports	Uplink Port	QTY：4 Physical interface： 10/100/1000M auto-negotiable,RJ45:2pcs；

		GE SFP ,1000BASE-LX :2pcs
	PON Port	QTY：2 Physical Interface：SFP Slots Connector Type：1000BASE-PX20+ Max splitting ratio：1：64
	Management Port	1*10BASE-T out-band management port 1*Console management port
	OLT PON SFP	Transmission Distance：20KM PON port speed: symmetrical 1.25Gbps Waves: 1490nm TX,1310nm RX TX Optical power : +2～+7dBm RX Sensitivity: -28dBm
Management	Management Mode	SNMP,Telnet,CLI Support EMS centralized management based on C-Data development interface independently.
	Management Function	Fan Group Detecting Port Status monitoring and configuration management; Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc; EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc; Online ONU configuration and management User management Alarm management
Functionality	Layer-two Switch	Support port VLan and protocol Vlan Support Vlan tag/Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk RSTP QOS based on port ,VID,TOS and MAC address IGMP Snooping 802.x flow control Port stability statistic and monitoring
	EPON Function	Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah Standard Up to 20KM transmission Distance Support data encryption, group broadcasting, port Vlanseparation ,RSTP,etc. Support Dynamic Bandwidth Allocation (DBA) Support ONU auto-discovery/Link detection/remote

		upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels. 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 dynamic distance calculation on EMS online Support RSTP,IGMP Proxy
Physical Features	Dimension Weight	440mmX208mmX44mm（LxWxH） GW:4kg NW:3KG
	Power Supply Consumption	90～264VAC 16W
	Operating Environment	Working Temperature: 0～50℃ Storage Temperature: -40～85℃ Relative Humidity: 5～90%(non-condensing)

🔶 Order Information

Product	Model	QTY	Unit	Configuration
1U EPON OLT	FD1002S	1	Set	1U EPON OLT with 2 PON slots ,220V(110V) AC power supply; The default configuration is 2pcs of OLT SFP without uplink SFP.
Uplink SFP	SFP-GFX-D20	1～2	PC	Optional; when the uplink port is optical port , it would be taken into consideration. The default configuration is 20KM dual fiber .
OLT PON SFP	OLT-SFP-PX20	1～2	PC	The default configuration is 2pcs;at least 1pc ;2 pcs at most.