

FD1002B-1U compact type EPON OLT



FD1002B compact type OLT products is 1UPizza-Box product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in a compact room environment.

The OLT can use for “Triple-Play”, CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products.

FD1002B provides 2GE(copper)and 2SFP slots Combo interface for uplink, and 2 EPON ports for downstream. It can support 128 ONU under 1:64 splitter ratio.

Specifications

Item		Parameter
Uplink Port	QTY	4
	Copper	10/100/1000M auto-negotiable,RJ45:2pcs
	SFP	2 SFP slots (Combo)
PON Port	QTY	2
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100/1000Mauto-negotiable outband port 1CONSOLE port
PON Port Specification (Apply to C-DataPON module)	Transmission Distance	20KM
	PON port speed	Symmetrical 1.25Gbps
	Wavelength	1490nm TX,1310nm RX
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+2.5~+7dBm
	Rx Sensitivity	-27dBm
SaturationOptical Power		-6dBm
Management Mode		SNMP, Telnet, CLI management mode.
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;

	<p>Online ONU configuration and management</p> <p>User management</p> <p>Alarm management</p>	
Layer-two Switch	<p>Support port Vlan and protocol Vlan</p> <p>Support Vlan tag/Untag ,vlan transparent transmission;</p> <p>Support 4096 VLAN</p> <p>Support 802.3dd trunk</p> <p>Support RSTP</p> <p>Support QOS based on port ,VID,TOS and MAC address</p> <p>Support IGMP Snooping</p> <p>Support 802.x flow control</p> <p>Support Port stability statistic and monitoring</p>	
EPON Function	<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah Standard</p> <p>Up to 20KM transmission Distance</p> <p>Support data encryption, group broadcasting, port Vlan separation,RSTP,etc.</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>Support ONU auto-discovery/Link detection/remote upgrade of software;</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.</p> <p>Support power-off alarm function ,easy for link problem detection</p> <p>Support broadcasting storm resistance function</p> <p>Support port isolation between different ports</p> <p>Support ACL and SNMP to configure data packet filter flexibly</p> <p>Specialized design for system breakdown prevention to maintain stable system</p> <p>Support dynamic distance calculation on EMS online</p> <p>Support RSTP,IGMP Proxy</p>	
Backplane Bandwidth	9G	
Dimension	390mm*250mm*44mm(L*W*H)	
Weight	3.1kg	
Power Supply	220VAC: AC: 90V~240V, 47/63Hz	
Power Consumption	26W	
Operating Environment	Working Temperature	0~50℃
	Storage Temperature	-40~85℃
	Relative Humidity	5~90%(non-condensing)