

## FD1004B-1U compact type EPON OLT



FD1004B compact type OLT products is 1UPizza-Box product. The features of the OLT are small size, 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.

FD1004B provides 4GE(copper)and 4SFP slots Combo interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

### Functional Feature

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

- Four fixed PON slots with 1:64 splitting ratio at most
- FD1104B could support 256 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 Functions

- Realize stable and efficient dynamic bandwidth allocation (DBA)
- Various OAM Functions
- ONU auto-detection and registration;
- Support LGMP and Snooping function;
- Support port flow control and flow shaping.

#### ✧ Compact of structure, Save installation space

- Equipment adopt to the structure of 1U with only magazine size, for the user of saves installation space
- Low power consumption and small heat dissipation to lowers the power supply and air conditioning for requirement

**Specifications**

Item		Parameter
Uplink Port	QTY	8
	Copper	10/100/1000M auto-negotiable,RJ45:4pcs
	SFP	4 SFP slots (Combo)
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100/1000M auto-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	9/125 $\mu$ m SMF
	TX Power	+2.5~+7dBm
	Rx Sensitivity	-27dBm
	Saturation Optical 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; Online ONU configuration and management User management Alarm management
Layer-two Switch		Support port Vlan and protocol Vlan Support Vlan tag/Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk Support RSTP Support QOS based on port ,VID,TOS and MAC address Support IGMP Snooping Support 802.x flow control Support 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)

		<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		18G
Dimension		390mm*250mm*44mm(L*W*H)
Weight		3.5kg
Power Supply		220VAC: AC: 90V~240V, 47/63Hz
Power Consumption		34W
Operating Environment	Working Temperature	0~50℃
	Storage Temperature	-40~85℃
	Relative Humidity	5~90%(non-condensing)