FD1104Y-Outdoor type EPON OLT

Brief Introduction

FD1104Y is outdoor type EPON OLT product. The product using aluminum alloy die casting shaping, has good heat dissipation and shielding effect, The features of the OLT are convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in a outdoor environment.

FD1104Y provides 4GE optical interface for uplink, 4 EPON ports for downstream. Built-in 220VAC power module, support Dual power supply configuration.

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

Functional Feature

✧ **High Stability with low cost and flexible networking construction**
- Four fixed PON slots with 1:64 splitting ratio at most
- Four Uplink GE optical interface
- FD1104Y could support 256 ONU maximally
- Maximum Transmission distance:20km (1:32 splitting ratio)
- Aluminum alloy die casting shaping, has good heat dissipation and shielding effect

✧ **Comprehensive Network Management**
- In band and out band management;
- Support Telnet and local command lines management;
- EMS management based on standard SNMP protocol;
- Support EDFA docking management
- 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.

Specifications

Item		Parameter
Uplink Port	QTY	4
	SFP	4 GE optical interface
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100/1000Mauto-negotiable outband port 1*CONSOLE port 1*EDFA port
PON Port Specification（Apply to C-Data PON 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～+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 Vlan separation, 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
Dimension		350mm*220mm*155mm(L*W*H）
Weight		4kg
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)