1U Pizza-Box EPON OLT

Pizza-Box OLT series products is 1U high 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in an compact room environment.

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

FD1104SN-R1 provides 1 USB port, 4GE and 4 SFP slots interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

Specifications

Item		Parameter
Uplink Port	QTY	8
	Copper	10/100/1000M auto-negotiable,RJ45:4pcs
	SFP	4 SFP slots
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
USB Port		1 Type-C interface Similar to the CONSOLE port function, used for serial port login
Management Ports		1*10/100/1000Mauto-negotiable outband port 1CONSOLE 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	+2.5～+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 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
Backplane Bandwidth	18G
Dimension	440*230mm*44mm(L*W*H)
Weight	3.4kg(without package)
Power Supply	220VAC：AC: 90V～240V，47/63Hz
Power Consumption	34W
Operating Environment	Working Temperature: -15～50℃
	Storage Temperature: -40～85℃
	Relative Humidity: 5～90%(non-condensing)