1U 8PON Port Pizza-Box EPON OLT

FD1208S-R1 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.

FD1208S-R1 provides 1 USB interface, 4GE(copper) and 4GE optical interface, 4*10Gb uplink interface, and 8 EPON ports for downstream. It can support 512 ONUs under 1:64 splitter ratio.

Specifications

Item		FD1208S-R1
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	12
	Copper	10/100/1000M auto-negotiable,RJ45:4pcs
	Optical interface	4 GE
	10Gb uplink interface	4*10Gb
PON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
USB Port	QTY	1
	Connector Type	TYPE-3
Management Ports		1*100BASE—TX outband port; 1 CONSOLE 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
10Gb SFP+ Port Specification（Apply to C-Data 10Gb	Transmission Distance	10KM
	PON port speed	8.5-10.51875Gbps
	Wavelength	1310nmTX，1310nmRX
	Connector	LC

module）	Fiber Type	Single mode with dual fiber
	TX Power	-8.2~+0.5 dBm
	Rx Sensitivity	-12.6dBm
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 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 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
Layer-three Route		Support static unicast Support static multicast Support RIP routing protocol Support dynamic multicast protocol with active source
Backplane Bandwidth		112G
Dimension		440*300*44(mm*mm*mm）
Weight		5.5kg
Power Supply	220VAC	AC: 100V～240V，47/63Hz
	-48DC	DC:-36V～-72V
Power Consumption		58W
Operating Environment	Working Temperature	0～50℃
	Storage Temperature	-40～85℃
	Relative Humidity	5～90%(non-condensing)