8PON PORTS EPON OLT

FD1208S-B0
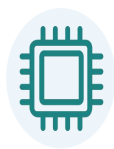
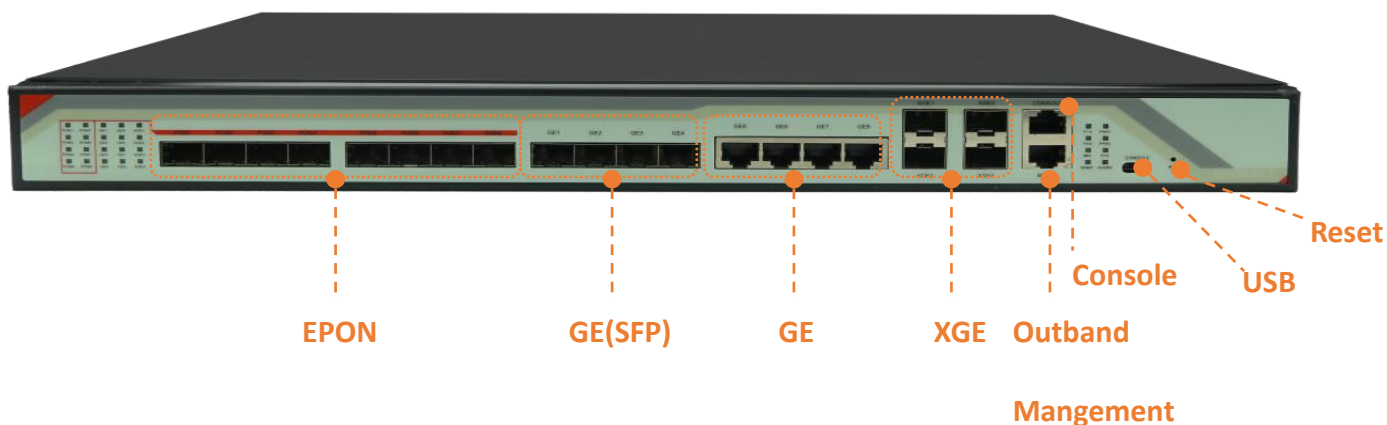| Dedicated Chip	USB Interface	Back Battery Unit	Layer3 Switching

Brief Views

EPON OLT FD1208S-B0 completely meet relative standards of IEEE 802.3x and FSAN. The equipment is a 1U rack-mounted device, providing 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 4 10-gigabit uplink ports and 8 EPON ports. Single port supports 1:64 splitting ratio. System support 512 EPON terminals accessing in for the most.

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, is convenient and flexible to use, and is easy to deploy as well. Moreover, the product meets the requirements of promoting network performance, improving reliability and reducing power consumption in the perspective of access network and enterprise network and is applicable to three-in-one broadcast television network, FTTP (Fiber to the premise), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications with a very high price/performance ratio.

Functional Feature

- Support OAM Protocol
- 1U height 8PON OLT product in compact design of Pizza-Box
- Complete PON protection switching function
- 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 Switching Function
- 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 ONU auto-discovery/Link detection/remote upgrade of software;
- Support VLAN division and user separation to avoid broadcast storm;
- Layer-three Route
- Support static routing protocol
- Support dynamic RIP protocol
- Support dhcp-relay function
- Support vlanif interface configuration

Product Interface

EPON   GE(SFP)   GE   XGE   Outband   Console   Reset   USB

Mangement

Product Specification

ITEM		FD1208S-B0
Management Rack	Type	1U 19-inch standard box
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports	
	4 SFP interfaces	
	10-Gigabit	4 SFP+ interfaces
PON Port	Quantity	8
	Physical interface	SFP slots
	Interface type	EPON:　IEEE802.3ah
	Max splitting ratio	EPON:　1:64
Management Port		1　100/1000BASE-Tx out-band Ethernet port
		1　CONSOLE local management port
PON Port attribute	Transmission distance	20KM
	Port rate	EPON:　Symmetrical 1.25Gbps
	Wavelength	Forwarding: 1490nm　　　Receiving: 1310nm
	Interface type	SC/UPC
	Fiber type	9/125μm SMF (Single Mode Fiber)
	Receiving sensitivity	-27dBm
	Saturation power	-6dBm
10Gb SFP+ Port Specification（Apply to C-Data 10Gb module）	Transmission Distance	10KM
	PON port speed	8.5-10.51875Gbps
	Wavelength	1310nmTX，1310nmRX
	Connector	LC
	Fiber Type	Single mode with dual fiber
	TX Power	-8.2~+0.5 dBm
	Rx Sensitivity	-12.6dBm
Network management method		Support CLI、SNMP、TELNET、SSH、WEB
Business capabilities		➢ 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	108G
Size	440*298*44(mm*mm*mm）
Weight	4.50kg
Power supply	220VAC	AC: 100V～240V，47/63Hz
	-48DC	DC:-36V～-72V
Maximum power	78W
Working environment	Working temperature	-15～50℃
	Storage temperature	-40～85℃
	Relative humidity	5～90% (non-condensing)

Typical Application