FD1304E-B1

4+4 PON PORTS EPON OLT

Dedicated Chip

USB Interface

Software Customization

Layer3 Switching

Brief Views

EPON OLT FD1304E-B1completely meet relative standard of IEEE 802.3x and FSAN, which is 1U rack-mounted device 4 uplink GE ports, 4*10GE uplink ports, 4 fixed EPON ports and 4 optional EPON ports.Each EPON port supports the splitting ratio of 1:64,The EPON system supports up to 512 terminal connections。

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, which 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

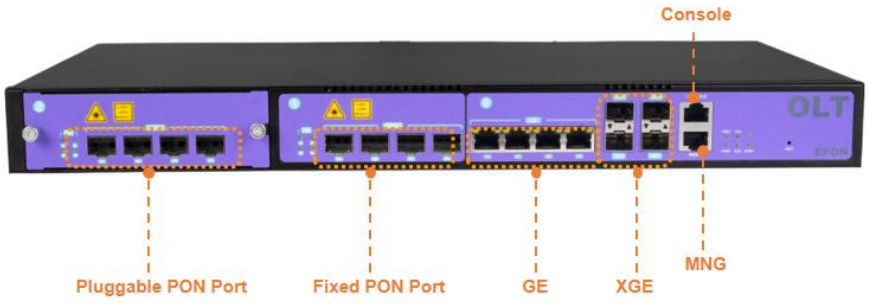
- In compliant with IEEE802.3x Standard
- Support OAM Protocol
- 1U height 4+4 PON OLT product in compact design of Pizza-Box.(4 pluggable PON ports + 4 fixed PON ports)
- Fan speed adjust automatically
- Complete PON protection switching function
- Layer 2 Switching Function

OLT equips with very powerful layer 2 Full Wire Speed Switching and completely supports layer 2 protocol. OLT supports varieties of layer 2 functions like TRUNK, VLAN, LACP, rate limit, port isolate, queue technology, flow control technology, ACL and so on, which provides technical guarantee for the development of multi-service integrated.

- QOS Guarantee
- Support port-based rate limitation and bandwidth control.
- Support data encryption, group broadcasting, port Vlan separation, RSTP, etc.
- Support ONU auto-discovery/Link detection/remote upgrade of software.
- Easy-to-Use Management System

Support management method of CLI, WEB, SNMP, TELNET, SSH and meet OAM standard, through OAM channel protocol service management can be realized, including ONT function parameter set, Qos parameters, configuration information request, performance statistics, auto-reporting of running events in system, configuration for ONT from OLT, fault diagnosis and management of performance and safety.

Product Interface



Product Specification

ITEM		FD1304E-B1
Rack	Type	1U 19-inch standard box
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports	
	10-Gigabit	4 SFP+ interfaces
PON Port	Quantity	4/8
	Physical interface	SFP
	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	PX20+:-28dBm
	Saturation power	PX20+:-8dBm
Network management method		Support CLI、SNMP、TELNET、SSH、WEB
Business capabilities		➢ Support device log, device upgrade, device management, condition monitoring, configuration management, and user management ➢ Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and so on. ➢ PON function configuration management: Like OLT authentication, DBA template, service template, line template and so on. ➢ Layer 3 function: support static routing, dhcp-relay and vlanif configuration.
Backplane Bandwidth		108G
Size		440*293*44mm
Weight		3.6Kg
Power supply	220VAC	AC: 100V～240V，47/63Hz
	-48DC	DC:-40V～-72V
	BBU (Backup Battery Unit)	DC: 11V～14V Function: When the regular power supply is cut off, it can be switched to the backup power supply, and when the regular power supply resumes, it will switch back to the regular power supply
Maximum power		78W

Working environment	Working temperature	-15～50℃
	Storage temperature	-40～85℃
	Humidity	5～90% (Non-condensing)

Typical Application