FD1304S

4PON PORTS EPON OLT

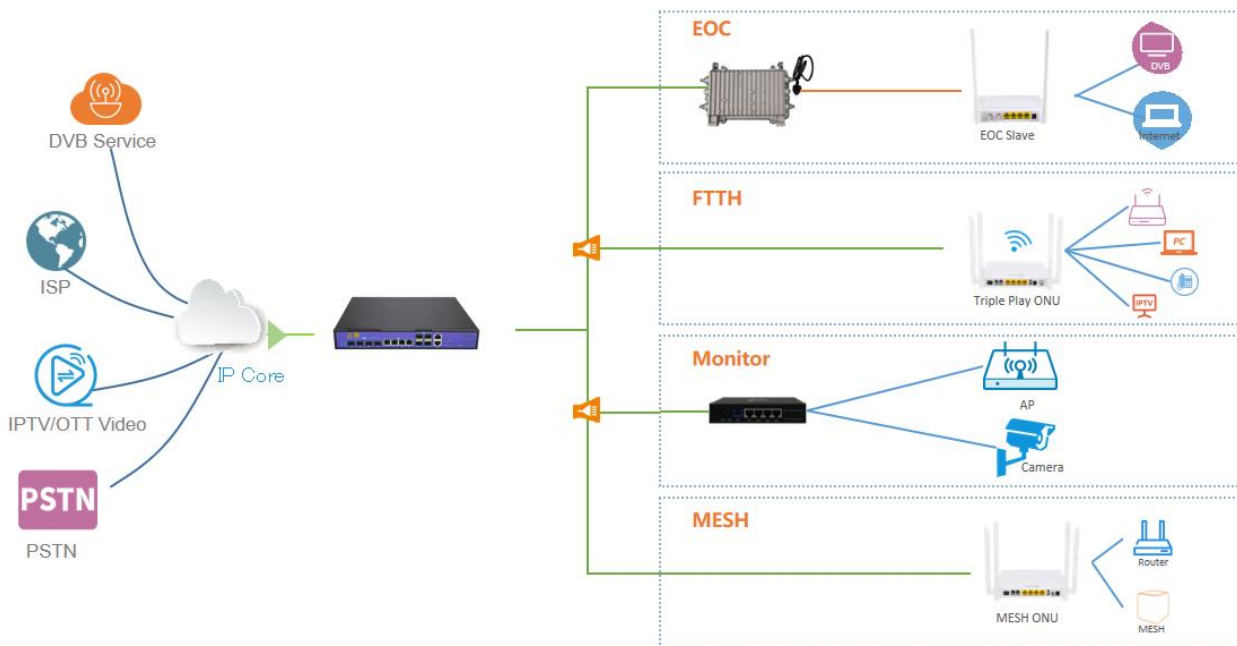**Dedicated Chip**   **Software Customization**   **Back Battery Unit**   **Layer3 Switching**

Brief Views

EPON OLT FD1304S completely meet relative standard of IEEE 802.3x and FSAN, which is 1U rack-mounted device with 4 uplink Ethernet ports, 4*10GE uplink ports and 4 EPON ports.Each EPON port supports the splitting ratio of 1:64, The EPON system supports up to 256 terminal connections.

Functional Feature

EPON Function

- IEEE 802.3x
- Support OAM protocol
- ONU auto discover
- Ranging function
- Downstream data encrypted

Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- Support 30K MAC address
- Support 4094 VLANs
- VLAN filter function,VLAN transform
- L2 port mirror
- Support 1024 static MAC address
- MAC address learning/aging
- MAC address limitation
- Static/Dynamic LACP
- ACL
- RSTP

Layer 3 Switching Function

- Static routing
- DHCP server/DHCP relay/DHCP snooping
- ARP proxy

Other Function

- Support BBU

Multicast Function

- IGMP snooping
- IGMP V1/V2
- Multicast VLAN translation

QOS Guarantee

- Traffic control function
- Congestion avoidance function
- Queue scheduling function
- ACL function

Reliability Function

- 1+1 power modules
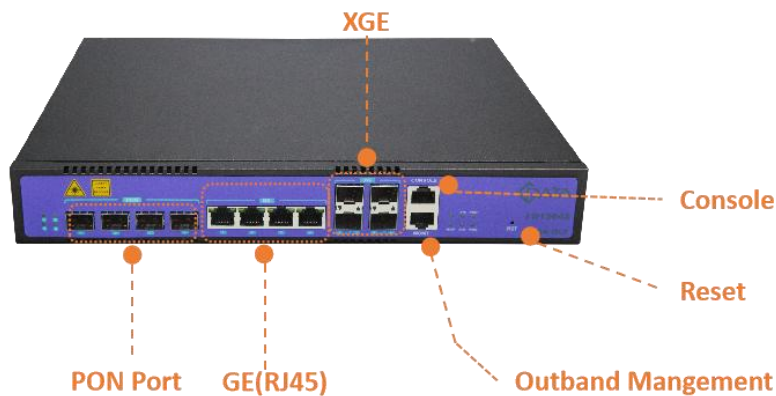- Fan speed automatically adjust

Management Function

- CLI/WEB/Telnet/SSH/MQTT
- Performance Management
- Alarm Management
- Security Management

Maintenance Function

- Device log
- Device upgrade
- Fault diagnose function
- Condition monitoring function

Product Interface

Product Specification

Mechanics	
Management Rack	1U 19-inch standard box
Dimensions	306mm(L)*266mm(W)*44mm(H)
Weight	2.6kg

Hardware		
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports	
	10-Gigabit	4 SFP+ interfaces
PON Port	Quantity	4
	Physical interface	SFP slot
	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)
	Light transmission power	PX20+: 2~5.5dBm
	Receiving sensitivity	PX20+:-28dBm
	Saturation power	PX20+:-8dBm
Backplane Bandwidth		98G

Power supply	
AC	100V ~ 240V，47~63Hz
DC	-40 ~ -72VDC

Environment	
Working temperature	-15 ~ 50℃
Storage temperature	-40 ~ 85℃
Ambient humidity	5 ~ 90% (Non-condensing)