

FD1304S

4PON PORTS EPON OLT



Dedicated Chip



Software Customization



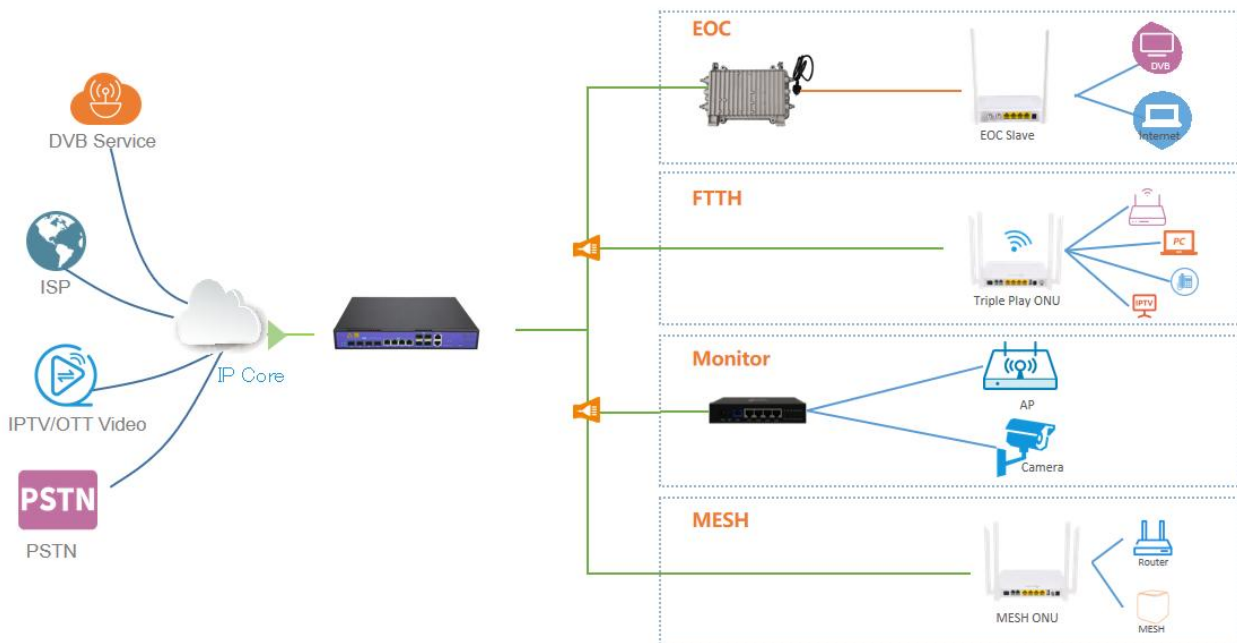
Back Battery Unit



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

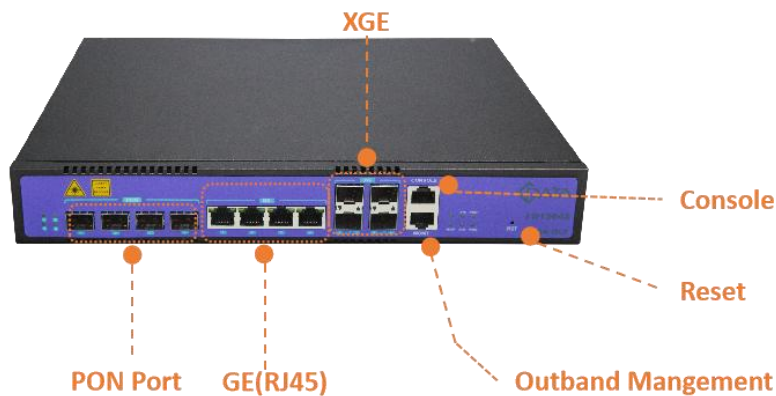
Management Function

- 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)*44mm(W)*266mm(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°C
Storage temperature	-40 ~ 85°C
Ambient humidity	5 ~ 90% (Non-condensing)

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