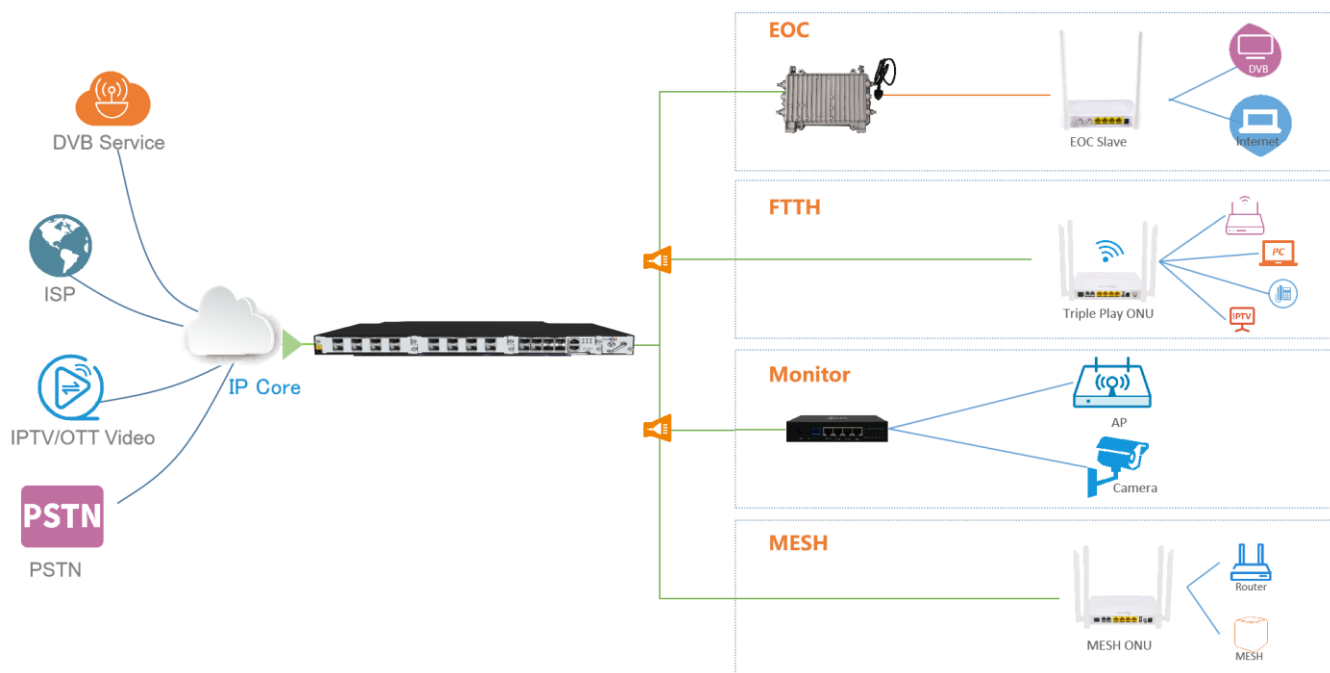


FS-16G-XGS L3 DP

Product Overview

The FS-16G-XGS L3 DP fully complies with the relevant standards of ITU G.9807.x. It's a 1U device featuring an uplink SFP port with options for either 4*1G/10G and 4*10G/25G (4x25G/2x100G UPLINK Port). Each XGSPON port supports a splitting ratio of 1:256. Consequently, the system can accommodate up to 4096 terminal connections, depending on the number of PON ports chosen.



Functional Feature

PON Function

- Support OMCI protocol
- T-CONT DBA
- GEMPORT traffic
- ONU auto discover
- Ranging function
- Downstream data encrypted

Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- Support 64K MAC address
- Support 4094 VLANs
- VLAN filter function,VLAN transform
- Smart QinQ
- 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

Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation
- Multicast QOS
- IGMP protocol statistics

QOS Guarantee

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

Reliability Function

- 1+1 power modules
- BBU optional
- Fan speed automatically adjusts based on temperature
- Enables manual adjustment for primary and secondary power sources

Management Function

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

Maintenance Function

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

Product Specification

Mechanics

Management Rack	1U 19-inch standard box
Dimensions	8081T board:440*375*44mm
Weight	8081T board:About 6kg

Hardware

Uplink Port	4*1G(SFP)/10G SFP+, 4*10G(SFP+)/25G(SFP28) (4x25G/2x100G UPLINK Port)	
PON Port	Quantity	FD8081T: 8*XG(S)PON Note:1700S has two card slots, this model choose two FD8081T cards.
	Physical interface	SFP slot
	Interface Protocol	XPSPON:ITU G.9807.x
	Max splitting ratio	XGSPON:1:256
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
PON Port attribute	Transmission distance	20KM
	Port rate	XGSPON: Downstream: 10G Upstream:10G
	Wavelength	XGSPON: Forwarding:1270nm Receiving: 1577nm
	Interface type	SC/UPC
	Fiber type	9/125μm SMF (Single Mode Fiber)
	Transmit	XGSPON&GPON COMBO 5~8dBm (9.953G) 3~7dBm (2.488G)
	Receiving sensitivity	XGSPON&GPON COMBO ≥-29dBm (9.953G) ≥-30.5dBm (2.488G) ≥-30dBm (1.244G)
	Saturation power	XGSPON&GPON COMBO ≤-8dBm (9.953G) ≤-10dBm (2.488G) ≤-12dBm (1.244G)

Power Supply

AC	100V ~ 240V
DC	-40 ~ - 57 V

Environment

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