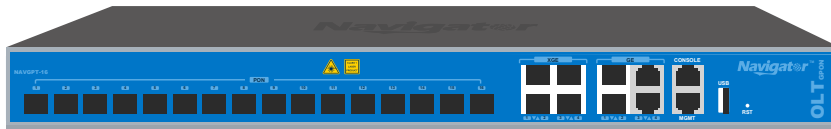


# NAVGPPT-16

## Brief Views

The GPON OLT NAVGPPT-16 fully complies with the relevant standards of ITU G.984.x and FSAN. It's a 1RU device featuring 4\*10GE uplink ports and 2 uplink SFP ports. The GPON ports come in configurations of 16 ports. Each GPON port supports a splitting ratio of 1:128. Consequently, the GPON system can accommodate up to 2048 terminal connections, depending on the number of PON ports chosen.



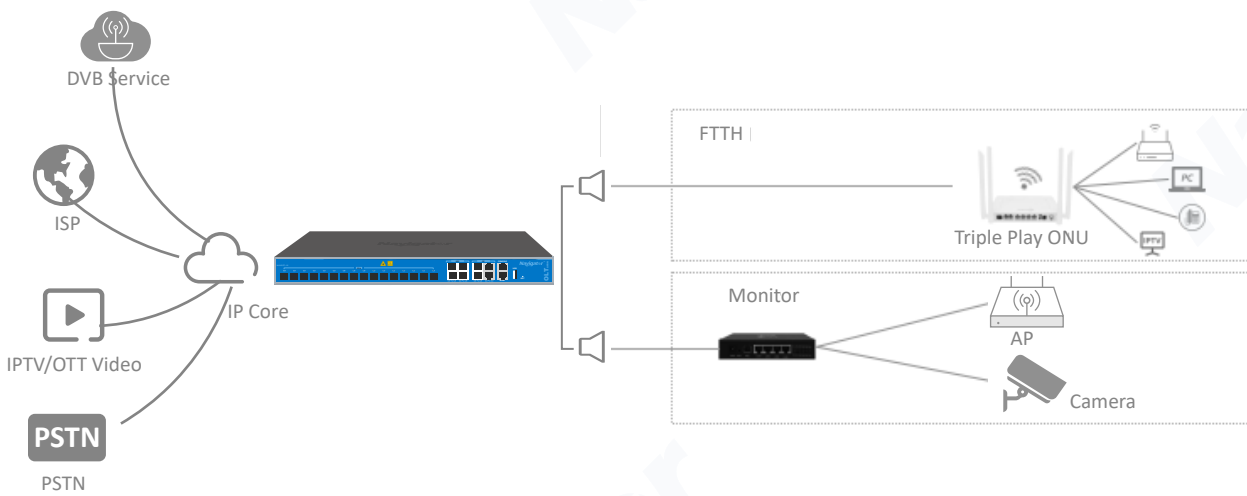
Dedicated Chip



Back Battery Unit



Layer3 Switching



# Functional Features

## GPON Function

- ITU-T G.984/G.988 standard
- 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 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

## Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation

## QOS Guarantee

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

## Reliability Function

- 1+1 power modules
- Fan speed automatically adjusts

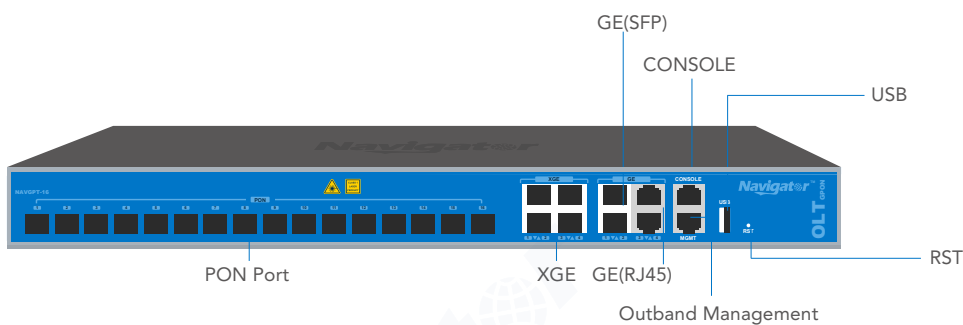
## Management Function

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

## Maintenance Function

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

# Product Interface



# Product Specification

Mechanics	
Management Rack	1U 19-inch standard box
Dimensions	440*276*44mm
Weight	About 4.5kg

Hardware					
Uplink Port	2* 10/100/1000M auto-negotiation Ethernet ports 2* SFP	4* 10GE ports 4* SFP+			
PON Port	Quantity	16*GPON			
	Physical interface	SFP slot			
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+/Class C++/Class C+++			
	Max splitting ratio	GPON: 1:128			
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port				
USB Port	1 USB interface (backup configuration, upgrade program, and record log information)				
PON Port attribute	Transmission distance	20KM			
	Port rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps			
	Wavelength	Forwarding: 1490nm Receiving: 1310nm			
	Interface type	SC/UPC			
	Fiber type	9/125µm SMF (Single Mode Fiber)			
	Light transmission power	Class B+: +1.5 ~ +5dBm	Class C+: +3 ~ +7dBm	ClassC++: +4.5dBm~+10dBm	ClassC+++:+7.5dBm~+10.5dBm
	Receiving sensitivity	Class B+: -28dBm	Class C+: -30dBm	ClassC++:-31dBm	ClassC+++:-30dBm
	Saturation power	Class B+: -8dBm	Class C+: -12dBm	ClassC++:-10dBm	ClassC+++:-10dBm
Backplane Bandwidth	148G				

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

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