

TITAN-800

8Port GPON OLT



Dedicated Chip



USB Interface



Software Customization



Layer3 Switching

Product Overview

GPON OLT USU- TITAN-800 completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2*10GE uplink ports and 8 GPON ports. Each GPON port supports the splitting ratio of 1:128, The GPON system supports up to 1024 terminal connections.

Functional Feature

🌐 GPON Functionality

- Compliant with ITU-T G.984 / G.988 standards
- Supports OMCI protocol
- T-CONT Dynamic Bandwidth Allocation (DBA)
- GEMPORT traffic management
- ONU auto-discovery
- Ranging function
- Downstream data encryption

📁 Layer 2 Switching

- Access / Trunk / Hybrid L2 access modes
- Supports up to 30K MAC addresses
- Supports 4094 VLANs
- VLAN filtering and LAN transformation
- L2 port mirroring
- Supports 1024 static MAC addresses
- MAC address learning and aging
- MAC address limitation
- Static and Dynamic LACP
- Access Control Lists (ACL)
- Rapid Spanning Tree Protocol (RSTP)

📡 Multicast Functionality

- IGMP snooping
- IGMP v1 / v2 / v3 support
- Multicast VLAN translation

🌐 Layer 3 Switching

- Static routing
- RIP protocol support
- DHCP server / relay / snooping
- ARP proxy

🔧 QoS (Quality of Service)

- Traffic control
- Congestion avoidance
- Queue scheduling
- ACL-based QoS control

📁 Reliability

- 1+1 redundant power modules
- Automatic fan speed adjustment

🔧 Management

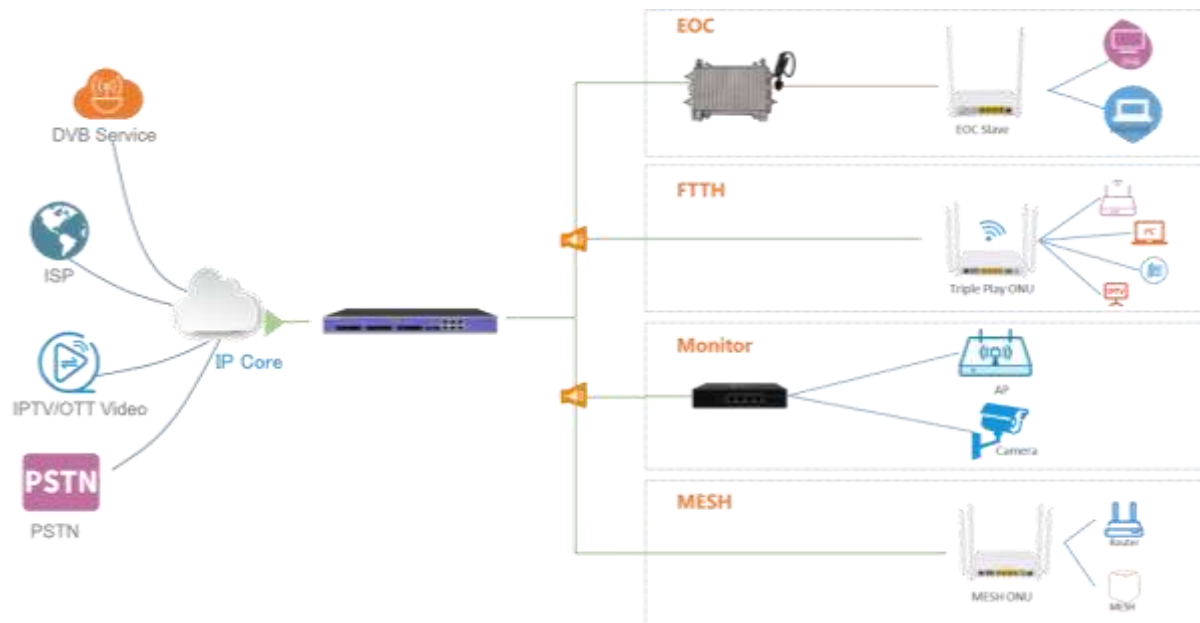
- CLI / Web / Telnet / SSH / MQTT interfaces
- Performance management
- Alarm management
- Security management

🔧 Maintenance

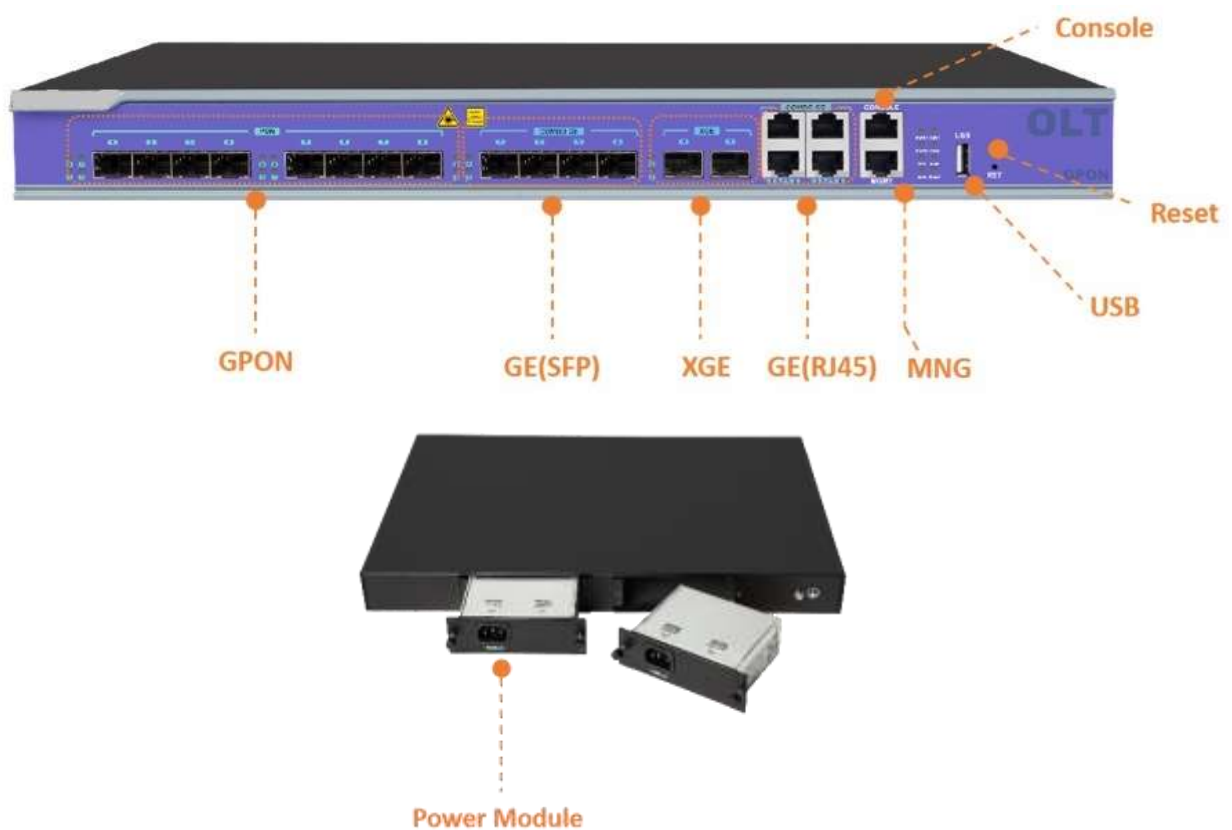
- Device logging
- Firmware upgrade support
- Fault diagnosis
- Condition monitoring



Typical Application



Product Interface



Product Specification

Mechanics	
Management Rack	1U 19-inch standard box
Dimensions	440mm(L)*276mm(W)*44mm(H)
Weight	4.50Kg

Hardware			
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports		
	4 SFP interfaces		
	10-Gigabit	2 SFP+ interfaces	
PON Port	Quantity	8	
	Physical interface	SFP slot	
	Interface type	GPON: ITU-TG.984.2 Class B+/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 (It's used to 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
	Receiving sensitivity	Class B+ : -28dBm	Class C+ : -30dBm
	Saturation power	Class B+ -8dBm	Class C+ -12dBm
Backplane Bandwidth		78G	
Maximum Power		78W	

Power supply	
AC	100V ~ 240V, 47~63Hz
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

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

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