



OLT400-16

GPON OLT400-16 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 10G SFP+ ports, and 16 GPON ports, each GPON port supports the splitting ratio of 1:128 and provides downstream bandwidth of 2.5Gbps and upstream bandwidth of 1.25Gbps, system support 2048 GPON terminals accessing in for the most.

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, is convenient and flexible to use, and is easy to deploy as well. Moreover, the product meets the requirements of promoting network performance, improving reliability and reducing power consumption in the perspective of access network and enterprise network and is applicable to three-in-one broadcast television network, FTTP (Fiber to the premise), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications with a very high price/performance ratio.

Features

- **Meet ITU-T G.984/G.988 standard and relative GPON standards of Chinese Communication Industry**
- **Support OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol**
- **1U height 16PON OLT product in compact design of Pizza-Box**
- **Complete PON protection switching function**
- **Layer 2 Switching Function**
OLT equips with very powerful layer 2 Full Wire Speed Switching and completely supports layer 2 protocol. OLT supports varieties of layer 2 functions like TRUNK, VLAN, rate limit, port isolate, queue technology, flow control technology, ACL and so on, which provides technical guarantee for the development of multi-service integrated.
- **QoS Guarantee**
GPON Products maintains fully-improved DBA with excellent QoS service capabilities. DBA meets different QoS requirements from different service flow in latency, jitter, packet loss rate.
- **Easy-to-Use Management System**
Support management method of CLI, WEB, SNMP, TELNET, SSH and meet OMCI standard, through OMCI channel protocol service management can be realized, including ONT function parameter set, T-CONT business lines and amount, QoS parameters, configuration information request, performance statistics, auto-reporting of running events in system, configuration for ONT from OLT, fault diagnosis and management of performance and safety.

		OLT400-16			
Management Rack	Type	1U 19-inch standard box			
Uplink Port	Gigabit	4 10/100/1000M auto-negotiation Ethernet ports			
	10-Gigabit	4 SFP+ interfaces			
PON Port	Quantity	16			
	Physical interface	SFP slots			
	Interface type	ITU-TG.984.2 Class B+/Class C+/Class C++/Class C+++			
	Max splitting ratio	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	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	Class C++ +4.5~+8dBm	Class C+++ +9~+13dBm
	Receiving sensitivity	Class B+ -28dBm	Class C+ -30dBm	Class C++ -30dBm	Class C+++ -33dBm
	Saturation power	Class B+ -8dBm	Class C+ -12dBm	Class C++ -12dBm	Class C+++ -15dBm
Network management method		Support CLI, SNMP, TELNET, SSH, WEB			
Business capabilities		<ul style="list-style-type: none"> Support device log, device upgrade, device management, condition monitoring, configuration management, and user management. Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and so on. PON function configuration management: Like ONT authentication, DBA template, service template, line template and so on. Layer 3 function: support static routing, dhcp-relay and vlanif configuration 			
Backplane Bandwidth		208G			
Size		442mm(L)*319mm(W)*43mm(H)			
Weight		NW: 4.8kg GW: 6.4kg			
Power supply	220VAC	AC: 90V~240V, 47/63Hz			
	-48VDC	DC:-40V~-72V			
Maximum power		85W			
Working environment	Working temperature	0 ~50°C			
	Storage temperature	-40~85°C			
	Relative humidity	5~90% (Non-condensing)			

Model	Product Description
OLT400-16	1 U standalone GPON OLT with 16 PON ports, 1 USB interface, 4 uplink Gigabit ports, 4 uplink 10 gigabit optical ports and power supply of 220VAC, support dual power redundancy configuration.
OLT400-16DC	1 U standalone GPON OLT with 16 PON ports, 1 USB interface, 4 uplink Gigabit ports, 4 uplink 10 gigabit optical ports and power supply of -48VDC, support dual power redundancy configuration.
OLTSFP-BP	GPON OLT SFP module, Class B+ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface
OLTSFP-CP	GPON OLT SFP module, Class C+ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface
OLTSFP-CPP/A2	GPON OLT SFP module, Class C+++ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface