16 PON Port GPON OLT - Layer 2 Switching

The PON GPON LGPONT16-4C-2SFP+ 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 10-gigabit uplink 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

SPECIFICATIONS

Control stand	
Management Rack Type	1-inch 19-inch standard box
Uplink port	
COMBO port	4 10/100 / 1000M automatic negotiation Ethernet ports ;4 SFP interfaces
10 gigabits	2 SFP + interface
PON port	
Quantity	16
Physical interface	SFP slot
Interface type	ITU-TG.984.2 Class B + / Class C +
Maximum splitting ratio	1:128
USB Port	1*100/1000BASE-Tx out-band Ethernet port ;1CONSOLE local management port
Management Port	1*USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20 km
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～ +5 dBm ;Category C ++3 ～ +7dBm
Receiving sensitivity	Category B +-28dBm ;Category C +-30 dBm
Saturation power	Class B+ -8dBm; Class C+-12dBm
Network management method	Support CLI、SNMP、TELNET、SSH、WEB
Backplane Bandwidth	108G

Business capabilities	- Support device log, device upgrade, device management, condition monitoring, configuration management, and user management ;
	- Layer 2 switching configuration management: Like portmanagement, VLAN, RSTP, IGMP, ACL, QOS and so on;
	- PON function configuration management: Like OLT authentication, DBA template, service template, line template and so on;
	- Layer 3 function: support static routing, dhcp-relay and vlanif configuration
Power supply	220VAC / AC: 90V~240V, 47/63Hz
	-48DC: DC:-40V~-72V
Maximum power	100W
Working temperature	-15~50C
Storage temperature	-40~85C
Relative humidity	5~90%(Non-condensing)
Size	440mm(L)*288mm(W)*44mm(H)
Weight	5kg

Ordering Information:

Part: LI- LGPONT16-4C-2SFP+
Description: 16 port GPON OLT switch with 4 Combo & 2 SFP+ ports

Please contact atg for more detail and delivery times