

## 16xPON Port GPON OLT, 4x10GE/GE SFP+ and 8xGE RJ45 port, Dual power with optional - LGPONT28-4TG

Lightem LGPONT28-4TG follows the ITU-T G.984/G. 988 technical standard. Deployed in operators such as FTTH, VPN, government, enterprise, campus network access etc. Features 1U height for easy installation and maintenance. Supports different types of ONU for operation utilization.



## FEATURES

- Layer 2/3 switching features and Flexible management methods
- Support multiple link redundancy protocols such as Flex-Link/STP/RSTP/MSTP/ERPS/LACP
- Support RIP、OSPF、BGP、ISIS and IPV6
- Safe DDOS and virus attack protection
- Support Power redundancy backup、Modular power supply
- Support power failure alarm
- Type C management interface

## SPECIFICATIONS

Performance	
Exchange capacity	104Gbps
Packet forwarding rate	77.376Mpps
Memory and storage	Memory: 512MB, Storage: 32MB
Management port	Console、Type C
Port	16x GPON, 8x 10/100/1000M RJ45, 4x 10GE SFP+
Weight	≤6.5kg
Fan	Fixed fans (three fans)
Power	AC: 100~240V 47/63Hz; DC: 36V~75V
Power consumption	100W
Environment friendly	China ROHS EEE
Dimensions(W*H*D)	440 x 44 x 320 mm
Environment temperature.	Working Temperature -15°C - 55°C
	Storage temperature: -40°C - 70°C
Environment humidity	10% - 95%、no condensing

<i>PON features</i>	
<i>PON</i>	Comply with ITU-TG.984/G.988 standard ; 60KM transmission distance ; 1:128 Max splitting ratio ; Standard OMCI management function ; Open to any brand of ONT ; ONU batch software upgrade
<i>VLAN</i>	Support 4K VLAN ; Support VLAN based on port, MAC and protocol Support dual Tag VLAN, port-based static QINQ and flexible QINQ
<i>MAC</i>	16K Mac address ; Support static MAC address setting ; Support black hole MAC address filtering ; Support port MAC address limit
<i>Ring network protocol</i>	Support STP/RSTP/MSTP ; Support ERPS Ethernet ring network protection protocol ; Support Loopback-detection port loopback detection
<i>port control</i>	Support two-way bandwidth control ; Support port storm suppression ; Support 9K Jumbo ultra-long frame forwarding
<i>Port aggregation</i>	Support static link aggregation; Support dynamic LACP ; Each aggregation group supports a maximum of 8 ports
<i>Mirroring</i>	Support port mirroring ; Support stream mirroring
<i>ACL</i>	Support standard and extended ACL ; Support ACL policy based on time period ; Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, TOS, DSCP, source/destination IP address, L4 port number, protocol type, etc.
<i>QoS</i>	Support flow rate limiting function based on custom business flow Supports mirroring and redirection functions based on custom business flows Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function, support queue scheduling algorithms such as SP/WRR/SP+WRR
<i>Safety</i>	Support user hierarchical management and password protection; Support IEEE 802.1X authentication ; Support Radius&TACACS+ authentication ; Support port isolation ; Support MAC address learning limit, support black hole MAC function; Support broadcast message rate suppression ; Support DOS attack and virus attack protection Support IP Source Guard Support ARP flood suppression and ARP spoofing protection
<i>Layer 3</i>	Support ARP learning and aging ; Support static route Support dynamic route RIP/OSPF/BGP/ISIS ; Support VRRP
<i>System management</i>	CLI 、Telnet 、 WEB 、 SNMP V1/V2/V3 、 SSH2.0 ; Support FTP,TFTP file upload and download ; Support RMON ; Support SNMP; Support system work log ; Support LLDP neighbor device discovery protocol ; Support 802.3ah Ethernet OAM ; Support RFC 3164 Syslog ; Support Ping and Traceroute

## ORDERING INFORMATION

PN	DESCRIPTION
LGPONT28-4TG	16xPON Port GPON OLT, 4x10GE/GE SFP+ and 8xGE RJ45 port, Dual power with optional