

LGPONT16-8SFP

Lightem LGPONT16-8SFP series is a 19" rackmount GPON OLT with 8 PON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/ remote/cost-sensitive area, smart industrial park, commercial building and FTTM, etc.



FEATURES

- Supports the deployment in diverse scenarios including low density areas, remote areas, sparsely-populated areas and industry parks.
- Supports FTTM and sharing site/rack with wireless base stations.
- Supports multiple installation modes, like limited room space, basement, low-voltage room and small rack or cabinet.
- Supports uplink redundancy protection including LACP STPRSTP and MSTP, and support RIP&OSPF protocol. Supports link protection.
- Dramatically saves on investment fees in trunk fibers, pipe engineering, and facilities. Effectively reduce CapEx and OpEx.

SPECIFICATIONS

Chassis - Uplink Port	
Rack	1U 19Inch Standard Box
QTY	8
RJ45(GE)	4
SFP(GE)	2
SFP+(10GE)	2
Chassis - GPON Port	
QTY	8
Physical Interface	SFP Slots
Max splitting ratio	1:128
Management Ports	1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Port Forwarding Rate(Mpps)	65.472
PON Port Specification	
Transmission Distance	20KM
GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
Wavelength	TX 1490nm, RX 1310nm
Connector	SC/UPC
Fiber Type	9/125μm SMF
Supported PON module level	Class B+, C, C+, C++, C+++
Management Mode	EMS, WEB, SNMP, Telnet , CLI
Management Function	SNMP,Telnet,CLI,WEB,SSH v2; Fan Group Control ; Port Status monitoring and configuration management; Online ONTconfiguration and management , User management , Alarm management
Layer2 Switch	32K Mac address , Support 4096 VLANs , port VLAN , VLAN tag/Un-tag, VLAN transparent transmission , VLAN translation and QinQ , storm control based on port , port isolation, port rate limitation , 802.1D and 802.1W , static LACP,Dynamic LACP , QoS based on port, VID, TOS and MAC address , Access control list , IEEE802.x flowcontrol , Port stability statistic and monitoring
Multicast	IGMP snooping , 2048 IP Multicast Groups;
DHCP	DHCP server,DHCP relay,DHCP snooping , DHCP option82
Layer 3 Route	ARP proxy, 4096 hardware Host Routes,512 hardware Subnet Routes , Support Radius,Tacacs+ , IP source guard , static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3

<i>IPv6</i>	Support NDP , IPv6 Ping , IPv6 Telnet,IPv6 routing , ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc. , MLD v1/v2 snooping(Multicast Listener Discovery snooping)
<i>GPON Function</i>	Tcont DBA , Gempont traffic , In compliant with ITU-T984.x standard , Up to 20KM transmission Distance , Support data encryption, multi-cast, port , VLAN, separation, RSTP, etc , ONT auto-discovery/link detection/remote upgrade of software, VLAN division and user separation to avoid broadcast storm, power-off alarm function, easy for link problem detection , broadcasting storm resistance function , port isolation between different ports , ACL and SNMP to configure data packet filter flexibly, RSTP; Specialized design for system breakdown prevention to maintain stable system
<i>Power Consumption</i>	45W.
<i>Physical Specifications</i>	
<i>Dimension (L*W*H)</i>	442mm*319mm*43.6mm
<i>Weight</i>	Net weight of single power: 4.05kg / Gross weight of single power: 5.65kg
<i>Environmental Specifications</i>	
<i>Working Temperature</i>	0°C ~+50°C
<i>Storage Temperature</i>	-40~+85°C
<i>Relative Humidity</i>	5~90% (non-condensing)

ORDERING INFORMATION

PN	DESCRIPTION
LGPONT16-8SFP	19" rackmount GPON OLT with 8*GPON, 4*RJ45 +2*SFP +2*SFP+ ports