SG-OLT-G4

Small-capacity cassette GPON OLT

Overview

OLT-G4 is a small-capacity cassette GPON OLT, meeting the requirements of ITU-T G.984/G.988 and relative standards of China Telecom/Unicom GPON, with super GPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirements on account of its excellent management, maintenance, and monitoring capability, abundant service features, and flexible network mode. OLT-G4 can be used with the NGBNVIEW network management system so as to provide users with comprehensive access and a perfect solution. OLT-G4 provides 8/16 * downlink GPON port, 4 *GE combo port, and 2* 10G SFP+ port. The height is only 1U for easy installation and space-saving support up to 128 ONUs on single PON port. The OLT-G4 is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc

Specification

Switching Capacity	63Gbps
Forwarding Capacity(Ipv4/Ipv6)	50.592Mpps
Service Port	4*PON port, 4*GE COMBO port, 2*10GE SFP+ port
Management	Console port, Telnet, SSH management;
	Out-band management;
	SNMPv1/v2/v3;
	RMON (Remote Monitoring)1,2,3,9 groups MIB;
	SNTP;
	Web browser or NGBNView network management;
Redundancy Design	Dual power supply, Support double AC input, double DC input and AC+DC input
Power Consumption	50W
Working temperature	-10°C~55°C
Relative humidity	10%~90%, non-condensing

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Feature Lists

- 1U 19 inch standard chassis GPON OLT with 4PON ports

- Compliant with ITU-T G984/G.988 standards and China

  Telecom GPON TechnicalRequirements

- Friendly EMS/Web/Telnet/CLI management

- Support other brands GPON and XPON ONUs

- Support 4096 VLANs, port VLAN and protocol VLAN;

- Support storm control based on port;

- Support port isolation,port rate limitation;

- Support static LACP;QoS based on port, VID, TOS and MAC address;

- Access control list;

- Support IGMP snooping, 256 IP Multicast Groups,DHCP snooping

- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc

- Support power-off alarm function, easy for link problem detection;

- Support broadcasting storm resistance function;

- Support port isolation between different ports; Support ACL and

  SNMP to configure data packet filter flexibly;

- Support RSTP,IGMP Proxy;

- Support Dynamic Bandwidth Allocation (DBA)

- Support ONU auto-discovery/link detection/remote

  upgrade ofsoftware

- Support ONT automatically discovery, auto configuration