OP-GOLT 92408A

1U Pizza Type GPON OLT

Overview：

GPON OLT OP-GOLT 92408A is high density 1U pizza box, it adopts the advanced technology and Broadcom ASIC chip. OP-GOLT 92408A is fully compliant with ITU-T G.988 GPON standards, can interwork with different types of ONT(Optical Netwrok Termination) from different vendors. It is based on the mature and robust OS software platform from Optilink, system has high reliability and stability. OP-GOLT 92408A supports network management via CLI and SNMP, with good user interface, easy to operate.

OP-GOLT 92408A provides the highest GPON port density in 1U box in the industry, which has 8 ports GPON, 2 ports 10GE or 8 ports GE uplink. Single GPON port can manage 128 ONTs, one equipment can manage up to 1024 ONTs. The device is easy to install and commissioning, minimizing operators' investments, it is the best suitable for service provider to deploy GPON based FTTH network.

Product Parameters:

Parameter	Description
Switching Capacity	➢ 205Gbps
PON Interface	➢ 8 ports GPON
Uplink Interface	➢ 2 ports 10G (SFP+) or 8 ports GE
Power Supply	➢ 1 plus 1 AC: Input 100 ~ 240V，47 ~ 63Hz ➢ 1 plus 1 DC: Input -40.5V ~ -72V
Power consumption	➢ Maximum: 150W
Dimensions (mm) (W*D*H)	➢ 445mm*340mm*44.5mm ➢ 487mm*340mm*44.5mm（With hanger）
Environment	➢ Working temperature: -5°C ~ 50°C ➢ Storage temperature: -40°C ~ 70°C ➢ Relative humidity: 10% ~ 90%，no condensing

Features

Features		Description
PON Features		➢ Compliance with ITU-T G.988 and operator related standards ➢ Each PON port supports up to 128 GPON ONT ➢ Support of 5 types bandwidth profile ➢ Support of multiple ONT authentication mechanisms, such as LOID, SN, Password, and combined authentication ➢ Support of ONT information report ➢ Support of ONT auto register ➢ Support of DBA (Dynamic Bandwidth Allocation) ➢ Support of ranging and logical distance configuration ➢ Support of upstream and downstream FEC enabling/disabling ➢ Support of AES encryption ➢ Support of ONT service batch upgrade ➢ Support of PON port-isolate ➢ Support of configure ONT management IP ➢ Support TR069 ➢ Support of ONT UNI port MAC address filtering ➢ Support of ONT UNI port status check ➢ Support PON port and ONT RSSI related attributes alarm ➢ Support ONT capability set query ➢ Support SFU UNI port status query ➢ Support ONT remote batch upgrade ➢ Loop detection supporting remote ONT ➢ Support ONT MAC-move alarm
Ethernet Features	VLAN	➢ Support of 4K VLAN entries ➢ Support of QinQ based on port or service flow ➢ Support of VLAN add, remove, translate and transparent per ONT service flow based
	Spanning Tree	➢ Support STP/RSTP
	Port Management	➢ Support bidirectional bandwidth control ➢ Support static and LACP aggregation groups ➢ Support port mirrors and service mirrors ➢ Support port SFP information reading ➢ Support port RSSI configuration and alarm

	Multicast	➢ Support IGMPv1 / v2 / v3 ➢ Support IGMP Snooping / Proxy ➢ Support MLD Snooping / Proxy ➢ Support static multicast configuration ➢ Support for inter-VLAN multicast
	PPPoE	➢ PPPoE+
	QoS	➢ Support service flow rate limit of both upstream and downstream ➢ Support downlink simple scheduling and hierarchical scheduling ➢ Support QoS into the queue mapping up and down ➢ Support queue priority scheduling (SP / WRR / SP + WRR) function
L3 functions	DHCP	➢ DHCP-Relay ➢ DHCP-Snooping ➢ DHCP-Option82
	VLANIF	➢ Configuring L3 interface addresses
	ARP	➢ Arp-agent
	Routing	➢ Static routing ➢ Default routing
Security Features	User Security	➢ Support port and ONT isolation function ➢ Support MAC filtering Support of binding among IP, MAC, VLAN and port
	Device Security	➢ Support anti-DoS attacks ➢ Support user classification to prevent unauthorized users from illegal invasion
	Network Security	➢ Support port broadcast / multicast packet suppression ➢ Supports flow classification and flow definition based on IP packet header information such as source / destination MAC address, VLAN, 802.1p, ToS, DiffServ, source / destination IP address (IPv4 / IPv6), TCP / UDP port number, protocol type ➢ Support for L2-L7 ACL flow classification at packet depth of 80 bytes ➢ Support business flow strategy, including mirroring, redirection, statistics, filtering
Network Management		➢ Support the management based on serial port (serial) ➢ Support the management based on the command line interface (CLI) ➢ Support the network management of NMS based on SNMP