

## **SOL3004**

### **4 PON Ports EPON OLT With** **10G Dual Power Supply**



#### **1. Product Description**

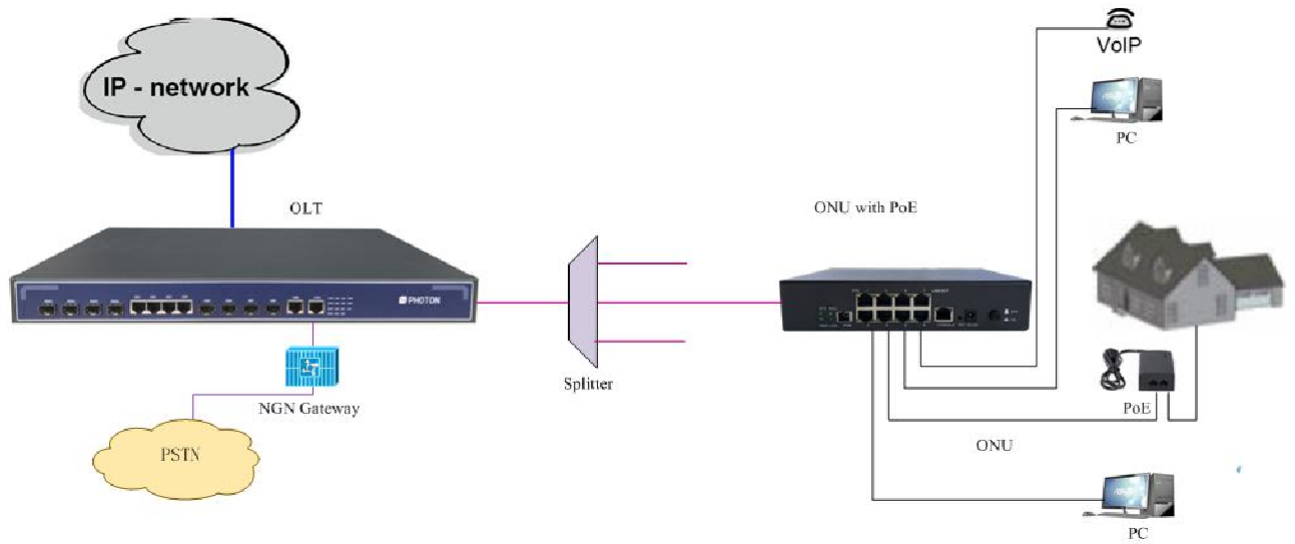
SOL3004 economical and high performance EPON OLT is a 1U standard rack-mounted equipment complying with IEEE802.3ah, YD / T 1475-2006 and CTC 2.0 、 2.1 and 3.0. It has flexible, easy to deploy, small size, high performance and other characteristics. The product is particularly suitable for residential broadband fiber access (FTTx), telephone and television, the power consumption information collection, video surveillance, networking, private network applications and other applications.

SOL3004 has 4 PON ports, 8 uplink ports (4\*GE copper RJ45 ethernet ports, 4\*SFP(GE)). Each of PON port supports up to 64 ONUs, the whole device supports up to 256 ONUs. Small size OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It is appropriate to be deployed in compact room environment. The OLTs can also be used for “Triple-Play” applications.

## **Features:**

- 1U 19 inch standard box EPON OLT with 4 PON ports
- 2 Port 10G
- Duel Power Supply
- Compliant with IEEE802.3ah YD/T1475-2006—EPON and China Telecom EPON Technical Requirements
- QoS based on port, VID, TOS and MAC address(32K Mac address)
- Support priority queue scheduling, support SP, WRR or SP + WRR scheduling algorithm
- Support 4096 VLAN, transparent transmission and conversion, support VLAN stacking (QinQ)
- Support 32K MAC's line speed learning and aging, support MAC address restriction
- Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol
- Support multicast Groups, IGMP v1/v2 snooping and IGMP Proxy
- Support port-based rate limitation and bandwidth control
- Support PON line AES and triple churing encryption
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-MAC binding and filtering, support the ONU offline business configuration and automatically configure, manual/auto authentication
- Support the use of the ACL rules for packet filtering
- Support SNMP, telnet, CLI, OAM and Web management
- Provide logs, alarms and performance statistics
- Support remote software upgrade

## 2. Application Chart:



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### 3. Technical parameters

Items	Unit	Specifications
PON standard.		EPON IEEE802.3ah
10G Port		2
Power Supply		2
PON interface		4*EPON SFP Ports (PX20+), Receiving sensitivity: $\leq$ -30dBm(Saturation Optical -6dBm). Power, Transmitting optical power: +2~+7dBm Transmission distance: 20KM. Max splitting ratio 1:64
	Speed	Upstream 1.25G Downstream 1.25G
Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	4*copper ethernet ports 10/100/1000M auto-negotiation
	SFP	4*GE SFP
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Backplane	Gbps	128
MAC table	K	32

Spanning Tree protocol		Support IEEE 802.1d (STP), 802.1w (RSTP) spanning tree protocols
QoS		Support 802.1p priority queue scheduling Support SPWRR and SP+WRR scheduling algorithms
Operating condition	°C	Operating temp: -5 ~ +55
Storing condition	°C	Storing temp: -40 ~ +85
Humidity	%	5~90(non-condensing)
Power consumption	W	≤30
Dimension	mm	440mm×300mm×44mm (L×W×H)
Net weight	Kg	4.6Kg

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