4 PON Ports GPON OLT
BT-P8104H

1. Overview

BT-P8104H 4 PON GPON OLT provides 4 GPON ports, 4*GE+2*GE(SFP)/10GE(SFP+) uplink ports. It has high reliability, high density and powerful switching and routing abilities. It is a new generation of broadband multi-service access OLT equipment for service integrated network.

BT-P8104H OLT integrates with network security, supports data, voice and video, and provides continuous forwarding, graceful restarting and ring protection, improving the work efficiency and securing the maximum running time.

1U height 19 inch rack mount product with 4 PON ports, each port supports up to 128 ONUs, the whole device supports up to 512 ONUs. Small size and high density OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It can be deployed in compact room environment, and can also be used for "Triple-Play" VPN, IP Camera, Enterprise LAN and ICT applications.
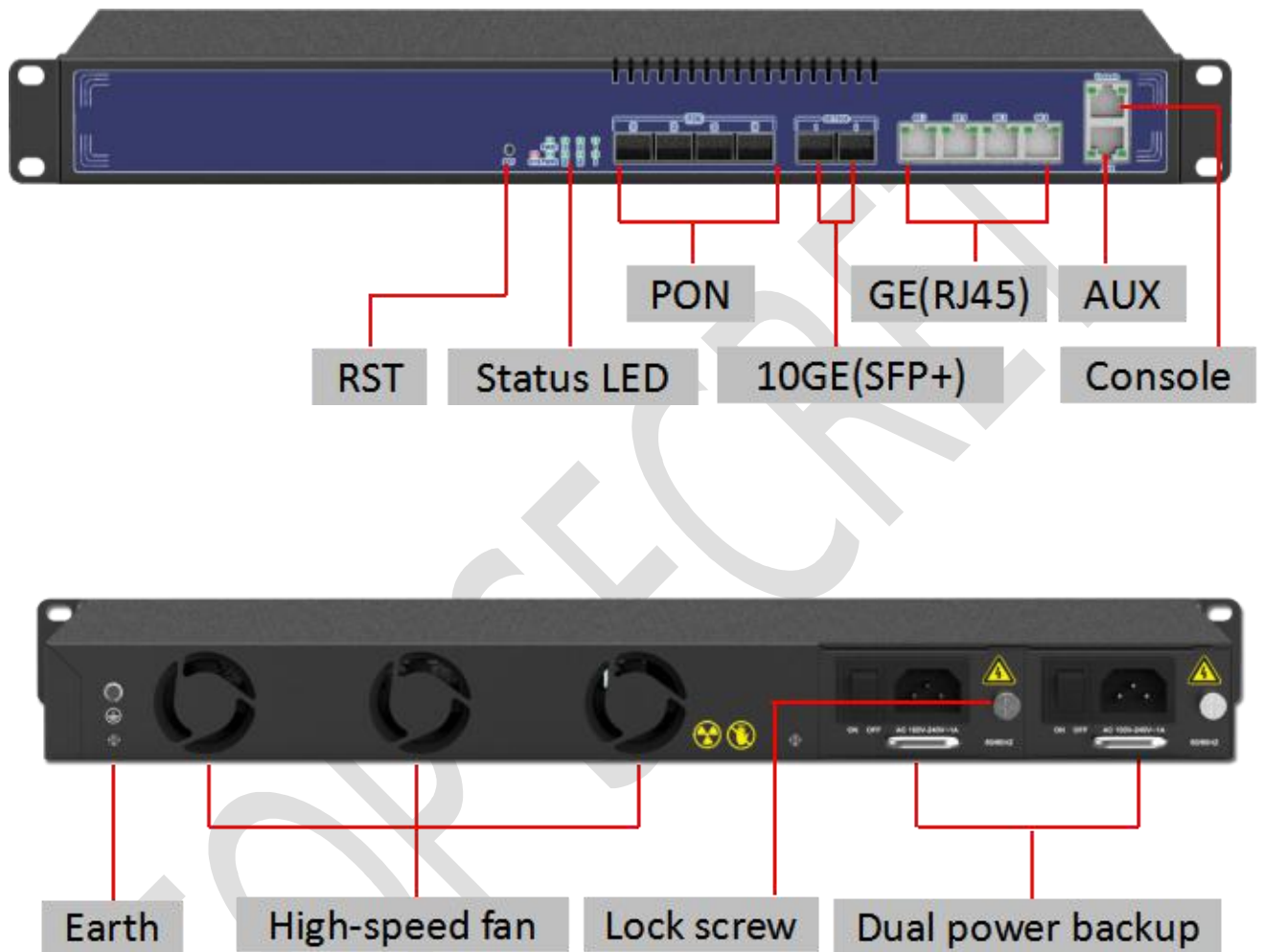
2. Features

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

➢ Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements

➢ Friendly EMS/Web/Telnet/CLI management

➢ 16K Mac address

➢ Open to any brand of ONT

- ➢ Support 4096 VLANs, port VLAN and protocol VLAN;
- ➢ Support VLAN tag/Un-tag ,VLAN transparent transmission;
- ➢ Support VLAN translation and QinQ;
- ➢ Support storm control based on port;
- ➢ Support port isolation;
- ➢ Support port rate limitation;
- ➢ Support 802.1D and 802.1W;
- ➢ Support static LACP;
- ➢ QoS based on port, VID, TOS and MAC address;
- ➢ Access control list;
- ➢ IEEE802.x flow control;
- ➢ Port stability statistic and monitoring;
- ➢ QoS based on port, VID, TOS and MAC address
- ➢ Support IGMP snooping, 256 IP Multicast Groups
- ➢ DHCP server,DHCP relay,DHCP snooping
- ➢ Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- ➢ Support ONT auto-discovery/link detection/remote upgrade of software;
- ➢ Support VLAN division and user separation to avoid broadcast storm;
- ➢ 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;
- ➢ Specialized design for system breakdown prevention to maintain stable system;
- ➢ Support RSTP,IGMP Proxy;
- ➢ Tcont DBA, Gemport traffic
- ➢ Support Dynamic Bandwidth Allocation (DBA)
- ➢ Support ONU auto-discovery/link detection/remote upgrade of software
- ➢ Support ONT automatically discovery, auto configuration
- ➢ Support remote software upgrade,download ONT firmware to OLT from web/tftp/ftp
- ➢ Two power supply redundancy design to improve reliability

3. Parameters

Items	Unit	Specifications
PON standard.		GPON ITU-T G.984.x, G.988
PON interface	Qty.	4*GPON SFP Ports (Class C+), Receiving sensitivity: ≤ -30dBm(Saturation Optical -12dBm). Power, Transmitting optical power: +3～+7dBm Transmission distance: 20KM. Max splitting ratio1:128
	Speed	Upstream 2.488G Downstream 1.244G
Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	4*GE(copper Ethernet)
	SFP GE SFP 10GE	2*GE(SFP)/ 4*10GE (SFP+) auto-detection
Layer 3		Support static route, RIP v1/v2, OSFP v2, ARP proxy
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Management Mode		SNMP, Telnet, CLI, WEB
VLAN		Tag / Un-tag，VLAN transmission，QinQ
Operating condition	℃	Operating temp: 0 ~ +50
Storing condition	℃	Storing temp: -40 ~ +85
Humidity	%	5~90(non-condensing)
Power Supply	AC	100～240V, 47/63Hz, (DC:-48V optional)
Power consumption	W	≤45
Dimension	mm	442*220*43.6（L×W×H）
Net weight	Kg	2.8

4. Front and back panel

5. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs /ctn	5.0kg/ctn	575*380*115mm
	5pcs /ctn	25.5kg/ctn	597*402*645mm