

# 8 PON Ports GPON OLT BT-P8108H



## 1. Product Description

BT-P8108H GPON OLT designed with Broadcom chipset, which provides 8GPON ports, 2 SFP(GE) and 2SFP+(10GE) optical uplink ports , it has high reliability, highly dense broadband access and robust switching and routing abilities, is a new generation of broadband and multiservice access OLT devices oriented towards the service-integrated network.

BT-P8108H 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.

Independent 1U chassis equipment with 8 PON ports, each port supports up to 128ONUs, the whole device supports up to 1024 ONUs. Small size and high density OLT, easy to install, convenient, flexible and easy to deployhigh performance broadband access network. It is appropriate to be deployed in compact room environment. The OLTs can also be used for “Triple-Play”(data voip and IPTV) applications.

## 2. Features:

- 1U 19 inch standard box GPON OLT with 8 PON ports
- Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements
- L3 function, support static route, ARP proxy, hardware Host Routes, hardware Subnet Routes
- Tcont DBA, Gempport traffic
- QoS based on port, VID, TOS and MAC address
- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support IGMP snooping, IGMP Proxy
- Specialized design for system breakdown prevention to maintain stable system
- Support port-based rate limitation and bandwidth control
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/link detection/remote upgrade of software
- Support ONT automatically discovery, auto configuration
- Support ONT firmware can be auto upgraded, download ONT firmware to OLT fromweb/tftp/ftp
- Support SNMP, telnet, CLI, OMCI/OAM and Web management
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Firewall function
- Support remote software upgrade
- Two power supply redundancy design

## 3. Technical parameters

Items	Unit	Specifications
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PONstandard.		GPON ITU-T G.984.x
PON interface		8*GPON SFP Ports (Class C+), Receiving sensitivity: $\leq$ -30dBm(Saturation Optical -12dBm). Power, Transmitting optical power: +3~+7dBm Transmission distance: 20KM. Max splitting ratio1:128
	Speed	Downstream 2.488G Upstream 1.244G
Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	4*copper Ethernet ports 10/100/1000M auto-negotiation
	SFP GE	2*SFP(GE)
	SFP 10GE	2* SFP+ (10GE)
Layer 3		Support static route, ARP proxy, hardware Host Routes, hardware Subnet Routes
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Management Mode		SNMP、Telnet、CLI、WEB、SSH v1/v2
Backplane	Gbps	128
MAC table	K	16
Operating condition	°C	Operating temp: -5 ~ +55
Storing condition	°C	Storing temp: -40 ~ +85
Humidity	%	5~90(non-condensing)
Power consumption	W	$\leq$ 45
Dimension	mm	442mm×320mm×44mm (L×W×H)

Net weight	Kg	4.9Kg (two power supply)
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#### 4. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs/box	6.50kg	575*500*115mm
	5pcs/ctn	32.75kg/ctn	645*597*525mm