Product Overview

BT-P6108H OLT (Figure 1) is self-developed Compact 1U EPON OLT equipment,meeting the requirements of IEEE802.3ah and meets the EPON OLT equipment requirements of YD/T 1945-2006 Technical requirements for access network——based on Ethernet Passive Optical Network (EPON) and China telecom EPON technical requirements 3.0, possessing super EPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode. BT-P6108H can be used with NMS2000 network management system so as to provide users with the perfect solution.

BT-P6108H OLT provides 8 *Downsteam EPON ports, 4 * Uplink GE ETH ports, 2 * Uplink GE SFP ports and 2* Uplink SFP+ ports. Up to 1:64 Split ratio for up to 512 EPON users. The 1U pizzabox design is for easy installation, Maintenance and Space saving. BT-P6108H is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc.

BT-P6108H

Product Specifications

Network interface	
EPON interface	8 x EPON (1.25/1.25 Gbps)
Uplink Optical Interface	4 x GE SFP ＋ 2* GE SFP+ ＋ 2*10GE SFP+
Uplink Ethernet Interface	4 x RJ-45
PON interface	
EPON	IEEE 802.3ah EPON
Local Management interface	
Console	RJ-45 EIA/TIA-232 Console management port
MGMT	1000BASE-T out-band management port
Performance	
Switching Capacity	116Gbps
Split ratio	1: 64
Maximum ONU quantity	512 ONT
Power Supply and Consumption	
Power Adaptor	AC Input::100 to 240 V AC, 50/60 Hz; DC Input : 36V-75V
Redundancy Design	Pluggable double power supply, double AC, double DC and AC+DC
Consumption	＜56 W
Environmental conditions	
Storage	temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)
Operation	temperature 0 to 45°C, rel. humidity 10–90% (non-condensing)
Physical specifications	
Dimensions	442mm×310mm× 44mm(W * D *H)
Weight	5KG

Key Feature Support on BT-P6108H

Ethernet switching (L2) features	
VLAN	4K VLAN entries
	Port-based QinQ and Selective QinQ (StackVLAN)
	Port-based/MAC-based/IP subnet-based VLA
Spanning tree	IEEE 802.1x STP/RSTP/MSTP
	ONU remote loop detection
MAC	MAC Black Hole
	Port MAC limit
	8K MAC address
Port	Bi-direction bandwidth control
	Port mirroring and traffic mirroring

Service features	
Multicast	IGMPv1/v2/v3
	IGMP Snooping/Proxy
	IGMP filtering
QoS	Base on port or user-defined rate limitation
	Base on port or user-defined priority tag, provide 802.1P, DSCP tag ability of priority
	Base on port or user-defined high grade queue scheduling
	priority queues and scheduler of SP, WRR and SP+WRR.
	Congestion avoidance system
Security features	
User security	Anti-ARP-spoofing deceive defend
	Anti-ARP-flooding flooding attack automatic control
	IP，MAC，port and VLAN binding
	Port isolation
Device security	Defend DOS attack
	Security IP login through Telnet
	Hierarchical management and password protection of users
Network security	IP address、VLAN ID、MAC address and port manual binding
	Port broadcast /multibroadcast restrain
	Base on source / destination MAC address,VLAN,802.1p,ToS,DiffServ,source/ destination IP(IPv4/IPv6) address,TCP/UDP port number protocol type of IP package flow classify and flow defined regulation management,support package header 80 byte depth L2-L7 ACLflow filtrate
	Dynamic ARP table-based binding
	DHCP Option82 and PPPoE+ upload user's physical location
Network management	Command-line interface（CLI）, Console, Telnet and WEB configuration
	RMON (Remote Monitoring)1/2/3/9 groups of MIB
	System configuration with SNMPv1/v2/v3
	NTP(Network Time Protocol)
	NMS2000 network management

Ordering Information

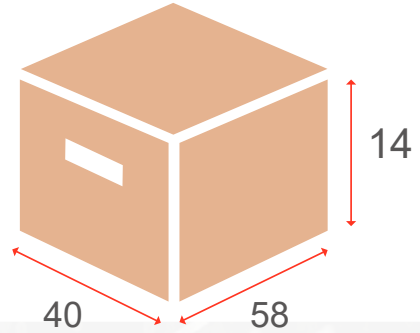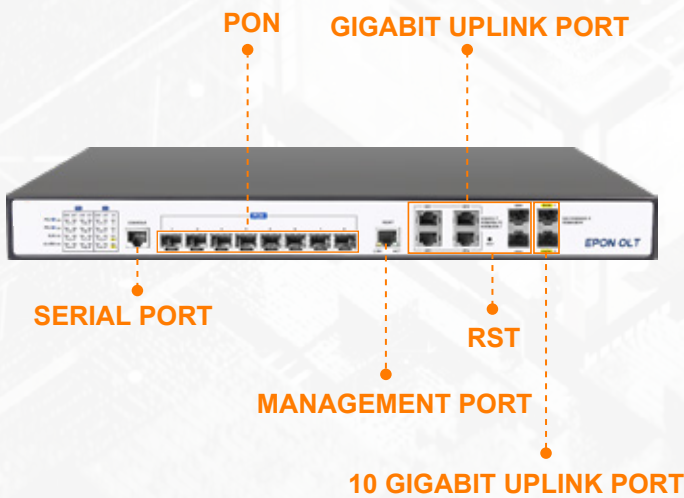| Product	Description	Power Configuration	SFP Accessories
BT-P6108H	8*EPON 4*RJ45+2*SFP+2*SFP+	1*AC Power 2*AC Power 1*AC Power + 1*DC Power	EPON SFP Module PX20+/PX20++/PX20+++ 1G SFP Module 10G SFP Module

Product Packing Size

Package included:

- OLT * 1 PC
- Network cable * 1 PC
- Power cable * 1 PC
- Debug cable * 1 PC
- Handing Ears * 2 PCS

Packing list:

14

40   58

- 1PC/Box
  Measurement: 58*40*14cm, 5.2kg

- 4PCS/Carton
  Measurement: 60*59*42.5cm, 21.6kg

Interface :

PON

GIGABIT UPLINK PORT

SERIAL PORT

MANAGEMENT PORT

RST

10 GIGABIT UPLINK PORT

- **Compatible with ONU Huawei/ZTE/Fiberhome**

- PON
- GIGABIT UPLINK PORT
- 10 GIGABIT UPLINK PORT
- MANAGEMENT PORT
- SERIAL PORT
- RST