Product Overview

BT-P6104H 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-P6104H can be used with NMS2000 network management system so as to provide users with the perfect solution.

BT-P6104H OLT provides 4 *Downsteam EPON ports, 4 * Uplink GE ETH ports, 4* Uplink SFP+ ports. Up to 1:64 Split ratio for up to 256 EPON users. The 1U pizzabox design is for easy installation, Maintenance and Space saving. BT-P6104H is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc.Provide perfect, intelligent, powerful, advanced and professional solutions for FTTH/FTTB projects.

BT-P6104H

ProductSpecifications

Network interface	
EPON interface	4* EPON (1.25/1.25 Gbps)
Uplink Optical Interface	4 * 10GE SFP+
Uplink Ethernet Interface	4 * GE RJ45
PON interface	
EPON	IEEE 802.3ah EPON
Local Management interface	
Console	RJ45 EIA/TIA-232 Console management port
MGMT	100BASE-T out-band management port
Performance	
Switching Capacity	103Gbps
Package transmit rate(IPv4/IPv6)	125Mpps
Split ratio	1: 64
Maximum ONU quantity	256 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	＜46 W
Environmental conditions	
Storage	temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)
Operation	temperature -5 to 50°C, rel. humidity 10–90% (non-condensing)
Physical specifications	
Dimensions	440mm×260mm× 44mm(W * D *H)
Weight	2.55KG

Key Feature Support on BT-P6104H

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
	16K 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	
L2	LACP/VLAN Tag / Un-tag/VLAN transmission/QinQ/802.1D/802.1W	
	IEEE802.x Flow Control/Port Isolation/Port Rate Limitation/Storm control	
Routing(L3)	BGP/MPLS/RIP/OSPF/Arp agent,Static routing	
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	
	TACACS+	
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

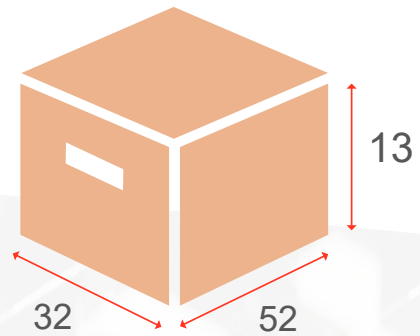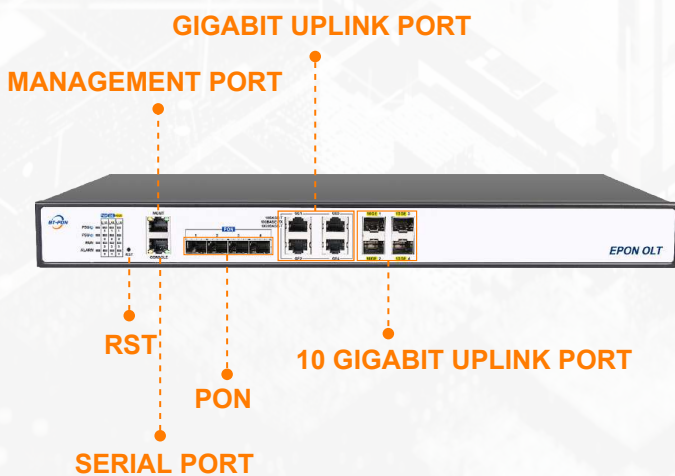| Product	Description	Power Configuration	SFP Accessories
BT-P6104H	4*EPON 4*RJ45+4*SFP+	1*AC Power 2*AC Power 1*AC Power + 1*DC Power	EPON SFP Module PX20+/PX20++/PX20+++ 1G SFP Module 10G SFP Module

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:

13
32
52

- 1PC/Box
  Measurement: 52*32*13cm, 3.5kg
- 5PCS/Carton
  Measurement: 67*54*33.5cm, 19kg

Interface

GIGABIT UPLINK PORT

MANAGEMENT PORT

EPON OLT

RST

PON

SERIAL PORT

10 GIGABIT UPLINK PORT

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

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

Company Introduction

Shenzhen Baitong Putian Technology Co., Ltd.has more than 10 years experence in fiber optical equipment industry since from 2008，specializes in the research and development of optical access network technology especially ONU and OLT. It provides integrated network transmission products such as voice, data, and video based on IP networks.

Service Support:

- Fully understand the needs of customers, and create value for customers with advanced technology, considerate service, and tailor-made solutions.
- Provides customers with a full range of after-sales service and technical support, and strive to create value for customers.

Company Mission:

- Fight for Access the world

Shenzhen Baitong Putian Technology Co., Ltd.

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