



## Product Overview

BT-P6108H is EPON OLT series product, 19-inch 1U height rack-mounted, featuring small size, convenience and flexibility, easy deployment, and high performance. Easy installation and maintenance, saving space.

BT-P6108H EPON OLT provides 8 standard EPON PON ports ; 4 \* Uplink GE ETH ports, 4 \* Uplink GE SFP ports and 4\* Uplink SFP+ ports.Supports 1:64 split ratio,can access 512 ONU users at the same time. Support different types of ONU hybrid networking, suitable for triple play,Video network, corporate LAN, and Internet of Things scenarios. Provide perfect, intelligent, powerful, advanced and professional solutions for FTTH/FTTB/FTTO projects.

## Product Specifications

<b>EPON interface</b>	8 x EPON (1.25/1.25 Gbps)
<b>Uplink Optical Interface</b>	2 x GE
<b>Uplink Ethernet Interface</b>	4 x RJ-45
<b>EPON</b>	IEEE 802.3ah EPON
<b>Console</b>	RJ45 EIA/TIA-232 Console management port
<b>MGMT</b>	1000BASE-T out-band management port
<b>Switching Capacity</b>	64Gbps
<b>Package transmit rate (IPv4/IPv6)</b>	125Mpps
<b>Spaging ratio</b>	1: 64
<b>Maximum ONU quantity</b>	512 ONT
<b>Power Adaptor</b>	AC Input: 100 to 240 V AC, 50/60 Hz; DC Input : 36V-75V
<b>Redundancy Design</b>	Pluggable double power supply, double AC, double DC and AC+DC
<b>Consumption</b>	<56 W
<b>Storage</b>	temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)
<b>Operation</b>	temperature 0 to 45°C, rel. humidity 10–90% (non-condensing)
<b>Dimensions</b>	442mm×360mm× 44mm(W * D *H)
<b>Weight</b>	<5.5KG

# Key Features

Ethernet switching (L2) features	
<b>VLAN</b>	<b>Spanning tree</b>
<ul style="list-style-type: none"><li>• 4K VLAN entries</li><li>• Port-based QinQ and Selective QinQ (StackVLAN)</li><li>• Port-based/MAC-based/IP subnet-based VLA</li></ul>	<ul style="list-style-type: none"><li>• IEEE 802.1x STP/RSTP/MSTP</li><li>• ONU remote loop detection</li></ul>
<b>MAC</b>	<b>Port</b>
<ul style="list-style-type: none"><li>• MAC Black Hole</li><li>• Port MAC limit</li><li>• 8K MAC address</li></ul>	<ul style="list-style-type: none"><li>• Bi-direction bandwidth control</li><li>• Port mirroring and traffic mirroring</li></ul>
Service features	
<b>Multicast</b>	<b>Routing</b>
<ul style="list-style-type: none"><li>• IGMPv1/v2/v3</li><li>• IGMP Snooping/Proxy</li><li>• IGMP filtering</li></ul>	<ul style="list-style-type: none"><li>• BGP</li><li>• MPLS</li><li>• RIP</li></ul>
<b>QoS</b>	
<ul style="list-style-type: none"><li>• Base on port or user-defined rate limitation Base on port or user-defined priority tag,</li><li>• provide 802.1P, DSCP tag ability of priority</li><li>• Base on port or user-defined high grade queue scheduling</li><li>• priority queues and scheduler of SP, WRR and SP+WRR. Congestion avoidance system</li></ul>	
Security features	
<b>User security</b>	
<ul style="list-style-type: none"><li>• Anti-ARP-spoofing deceive defend</li><li>• Anti-ARP-flooding flooding attack automatic control</li><li>• IP, MAC, port and VLAN binding</li><li>• Port isolation</li></ul>	
<b>Device security</b>	
<ul style="list-style-type: none"><li>• Defend DOS attack</li><li>• Security IP login through Telnet</li></ul>	

- 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 ACL flow filtrate
- Dynamic ARP table-based binding
- DHCP Option 82 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

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