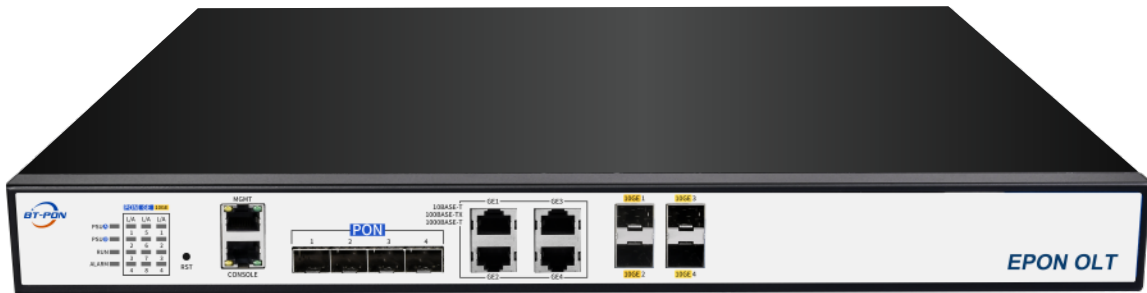




BT-P6104H Datasheet



Product Overview

BT-P6104H 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-P6104H EPON OLT provides 4 standard EPON PON ports ; 4 uplink GE Ethernet RJ45 ports; 4 10GE SFP+ optical ports.Supports 1:64 split ratio,can access 256 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

EPON interface	4 x EPON (1.25/1.25 Gbps)
Uplink Optical Interface	4 * 10GE SFP+
Uplink Ethernet Interface	4 * GE RJ45
EPON	IEEE 802.3ah EPON
Console	RJ45 EIA/TIA-232 Console management port
MGMT	100BASE-T out-band management port
Switching Capacity	103Gbps
Package transmit rate (IPv4/IPv6)	125Mpps
Spaging ratio	1: 64
Maximum ONU quantity	256 ONT
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
Storage	temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)
Operation	temperature -5 to 50°C, rel. humidity 10–90% (non-condensing)
Dimensions	442mm×227mm× 44mm(W * D *H)
Weight	< 3.0KG

Key Features

Ethernet switching (L2) features	
VLAN	Spanning tree
<ul style="list-style-type: none">• 4K VLAN entries• Port-based QinQ and Selective QinQ (StackVLAN)• Port-based/MAC-based/IP subnet-based VLA	<ul style="list-style-type: none">• IEEE 802.1x STP/RSTP/MSTP• ONU remote loop detection
MAC	Port
<ul style="list-style-type: none">• MAC Black Hole• Port MAC limit• 16K MAC address	<ul style="list-style-type: none">• Bi-direction bandwidth control• Port mirroring and traffic mirroring
Service features	
Multicast	
<ul style="list-style-type: none">• IGMPv1/v2/v3• IGMP Snooping/Proxy• IGMP filtering	
QoS	
<ul style="list-style-type: none">• 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	Routing(L3)
<ul style="list-style-type: none">• LACP/VLAN Tag / Un-tag/VLAN transmission/QinQ/802.1D/802.1W• IEEE802.x Flow Control/Port Isolation/Port Rate Limitation/Storm control	<ul style="list-style-type: none">• BGP/MPLS/RIP/OSPF/Arp agent, Static routing
Security features	
User security	
<ul style="list-style-type: none">• 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 ACL flow 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

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