4 PON Port EPON OLT—BT-P6104H

Product Description

BT-P6104H EPON OLT is a 1U standard rack-mounted equipment complying with IEEE802.3ah, YD / T 1475-2006 and CTC 2.0、2.1 and 3.0.It has flexible, easy to deploy, small size, high performance and other characteristics. The product is particularly suitable for residential broadband fiber access (FTTx), telephone and television "triple play", the power consumption information collection, video surveillance, networking, private network applications and other applications.

【Product Description】

- Supply 4 PON Port
- Supply 4 pcs RJ45 Uplink Port
- Supply 2 10GE SFP+ slots(Combo)
- Supply 2 GE SFP   slots(Combo)
- Supporting 256 ONUs under 1:64 splitter ratio.
- Supporting various types of management mode, such as out-band, in-band, CLI 、 WEB and EMS based on development interface.
- Typical Power 50W

【Product   Features】

- Support Dynamic Bandwidth Allocation (DBA)，the bandwidth granularity 64Kbps；
- Support ONU auto-MAC binding and filtering, support the ONU offline business configuration and automatically configure;
- Support 4096 VLAN additions, transparent transmission and conversion, support

VLAN stacking (QinQ);
- Support 32K MAC's line speed learning and aging, support MAC address restriction;
- Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol;
- Support IGMP v1/v2 Snooping and Proxy, support CTC controllable multicast;
- Support priority queue scheduling, support SP, WRR or SP + WRR scheduling algorithm;
- Supports port speed, support packet filtering;
- Support port mirroring and port trunking;
- Provide logs, alarms and performance statistics;
- Support   WEB Management；
- Support   SNMP v1/v2c network.
- Support   static route
- Support RIP v1/2 、OSPF、OSPFv3
- Support   CLI Management

【Product Specification】

Hardware Features	
Business Interface	Supply 4 PON Port
	2SFP+ 10GE slots for Uplink
	10/100/1000M auto-negotiable,RJ45:8pcs for Uplink
Management Ports	Provide 10/100Base-T RJ45 out-band network management port
	It can manage the in-band network through any GE uplink port Provide local configuration port
	Provide 1 CONSOLE port
Data exchange	3 layer Ethernet switching, switching capacity 128Gbps, to ensure non-blocking switching
LED Light	RUN、PW instructions system running、power working status
	PON1 to PON4 instructions 4 pcs PON port LINK and Active status
	GE1 to GE6 instructions 6 pcs GE uplink's LINK and Active status
	XGE1 to XGE2 instructions 2 pcs 10GE uplink's Link and Active status
Power Supply	220VAC AC: 100V~240V,50/60Hz DC:-36V~-72V
	Power Consumption 50W
Weight	4.6 Kg

Working Temperature	0～55℃
Dimension	300.0mm(L)* 440.0mm(W)* 44.45mm(H)

EPON Function	
EPON Standard	Comply with IEEE802.3ah,YD/T 1475-200 and CTC 2.0 、2.1 and 3.0 standard
Dynamic bandwidth allocation (DBA)	Support fixed bandwidth, guaranteed bandwidth, maximum bandwidth, priority, etc. SLA parameters;
	Bandwidth granularity 64Kbps
Security Features	Support PON line AES and triple churing encryption;
	Support ONU MAC address binding and filtering;
VLAN	Support 4095 VLAN additions, transparent transmission, conversion and deletion;
	Support 4096 VLAN additions, transparent transmission, conversion and deletion;
	Support VLAN Stacking (QinQ)
MAC address learning	Support 32K MAC addresses;
	Hardware-based wire-speed MAC address learning;
	Based on port, VLAN, link aggregation MAC restrictions;
Spanning Tree Protocol	Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol
Multicast	Support IGMP Snooping and IGMP Proxy, support CTC controllable multicast;
	Support IGMP v1/v2 and v3
NTP protocol	Support NTP protocol
Quality of Service(QoS)	Support 802.1p priority queue scheduling;
	Support SP, WRR or SP + WRR scheduling algorithm;
Access Control Lists (ACL)	According to the destination IP, source IP, destination MAC, source MAC, destination protocol port number, source protocol port number, SVLAN, DSCP, TOS, Ethernet frame type, IP precedence, IP packets carried protocol type ACL rules set;
	Support the use of the ACL rules for packet filtering;
	Support Cos ACL rule using the above settings, IP priority setting, mirroring, speed limit and redirect the application;
Flow Control	Support IEEE 802.3x full-duplex flow control;
	Support port speed;
Link	Support 8 port aggregation group, each group supports 8 member ports

Aggregation	4
Port Mirroring	Support the port mirroring of uplink interfaces and PON port
Log	Support by the alarm log output level shield;
	Support for logging output to the terminal, files, and log server
Alarm	Support four alarm levels (severity, major, minor, and warning);
	Support 6 alarm types (communication, quality of service, processing error, hardware equipment and the environment);
	Support alarm output to the terminal, log and SNMP network management server
Performance Statistics	Performance statistics sampling time 1 ~ 30s;
	Support the 15 minutes performance statistics of uplink interfaces ,PON port and ONU user port
Administration maintenance	Support OLT configuration save, support restore the factory settings;
	Support OLT online upgrade;
	support ONU offline service configuration and automatically configure ;
	Support ONU remote upgrade and batch upgrade;
Network management	Support local or remote CLI management configuration;
	Support SNMP v1/v2c network management, support band, in-band network management;
	Support the standard of broadcasting industry "EPON + EOC" SNMP MIB and support auto-discovery protocol EoC headend (BCMP);
	Support WEB config mamagement
	Open interfaces for third-party network management;