

16 PON Ports GPON OLT

BT-P8116H



1. Overview

BT-P8116H GPON OLT provides 16 GPON ports, 8GE copper RJ45 Ethernet ports and 4*GE(SFP)/4*10GE(SFP+). It has high reliability, high density and powerful switching and routing abilities. It is a new generation of broadband and multi-service access OLT devices oriented towards the service-integrated network.

BT-P8116H OLT integrates with network security, supports data, voice and video, and provides continuous forwarding, graceful restarting and ring protection, improving the work efficiency and securing the maximum running time.

Independent 1U chassis equipment with 16 PON ports, each port supports up to 128 ONUs, the whole device supports up to 2048 ONUs. Small size and high density OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It can be deployed in compact room environment, and can also be used for “Triple-Play” applications.

2. Features

- 1U 19 inch standard box GPON OLT with 16 PON ports
- Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements
- L3 function, support static route, RIP v1/v2, OSPF v2, ARP proxy
- Tcont DBA, Gempport traffic
- QoS based on port, VID, TOS and MAC address

- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support IGMP snooping, 256 IP Multicast Groups, IGMP Proxy
- Support 802.1D and 802.1W
- Support static LACP
- Specialized design for system breakdown prevention to maintain stable system
- Support port-based rate limitation and bandwidth control
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/link detection/remote upgrade of software
- Support ONT automatically discovery, auto configuration
- Support ONT firmware can be auto upgraded, download ONT firmware to OLT from web/tftp/ftp
- Support SNMP, telnet, CLI, OMCI/OAM and Web management
- Support ACL and SNMP to configure data packet filter flexibly
- Support broadcasting storm resistance function
- Firewall function
- Support remote software upgrade
- Two power supply redundancy design to improve reliability
- Support power-off alarm function,easy for link problem detection
- Support for Industrial Temperature

3. Parameters

Items	Unit	Specifications
PON standard.		GPON ITU-T G.984.x
PON interface	Qty.	16*GPON SFP Ports (Class C+), Receiving sensitivity: ≤ -30dBm(Saturation Optical -12dBm). Power, Transmitting optical power: +1 ~ +5dBm Transmission distance: 20KM. Max splitting ratio1:128
	Speed	Upstream 2.488G Downstream 1.244G

Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	8*copper Ethernet ports 10/100/1000M auto-negotiation
	SFP GE SFP 10GE	4*GE(SFP)/ 4*10GE (SFP+) auto-detection
Layer 3		Support static route, RIP v1/v2, OSFP v2, ARP proxy
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Management Mode		SNMP, Telnet, CLI, WEB
VLAN		Tag / Un-tag, VLAN transmission, QinQ
Operating condition	°C	Operating temp: -5 ~ +55
Storing condition	°C	Storing temp: -40 ~ +85
Humidity	%	5~90(non-condensing)
Power consumption	W	≤85
Dimension	mm	442×320×44 (L×W×H)
Net weight	Kg	4.5

4. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs /ctn	7.68kg/ctn	575*500*115mm
	5pcs /ctn	38.65kg/ctn	597*402*645mm