

8 PON Ports GPON OLT HP3708E



1. Product Description

HP3708E GPON OLT designed with Broadcom chipset, which provides 8 GPON ports, 4 GE copper RJ45 ethernet ports, 2 SFP(GE) and 2SFP+(10GE) optical uplink ports , it has high reliability, highly dense broadband access and robust switching and routing abilities, is a new generation of broadband and multiservice access OLT devices oriented towards the service-integrated network.

HP3708E 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 8 PON ports, each port supports up to 128 ONUs, the whole device supports up to 1024 ONUs. Small size and high density OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It is appropriate to be deployed in compact room environment. The OLTs can also be used for “Triple-Play”(data voip and IPTV) applications.

2. Features:

- 1U 19 inch standard chassis GPON OLT with 8PON ports
- Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements
- Friendly EMS/Web/Telnet/CLI/SSH v1/v2 management
- Remote online ONT configuration and management(WAN, WiFi, POTS, etc);
- 16K Mac address
- Support IPv6,IPv4
- ARP proxy,2048 hardware Host Routes,2048 hardware Subnet Routes;
- Support MLD v1/v2 snooping(Multicast Listener Discovery snooping);
- Support 802.1X,Radius,Tacacs+;
- Support 4096 VLANs, port VLAN and protocol VLAN;
- Support VLAN tag/Un-tag ,VLAN transparent and QinQ transmission;
- Support port isolation;
- Support port rate limitation;
- Support 802.1D and 802.1W;
- Support static LACP,Dynamic LACP;
- QoS based on port, VID, TOS and MAC address;
- Access control list;
- IEEE802.x flow control;
- Port stability statistic and monitoring;
- Support IGMP snooping, 256 IP Multicast Groups
- DHCP server,DHCP relay,DHCP snooping,DHCP option82;
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONT auto-discovery, auto configuration/link detection/remote upgrade of software;
- Support power-off alarm function, easy for link problem detection;
- Support broadcasting storm resistance function;
- Support ACL and SNMP to configure data packet filter flexibly;
- Specialized design for system breakdown prevention to maintain stable system;
- Support RSTP,IGMP Proxy;
- Support Dynamic Bandwidth Allocation (DBA)
- Support remote software upgrade,download firmware to OLT from web/tftp/ftp
- Two power supply redundancy design

3. Technical parameters

Items	Unit	Specifications
PON standard.		GPON ITU-T G.984.x
PON interface		8*GPON SFP Ports (Class C+), Receiving sensitivity: \leq -30dBm(Saturation Optical -12dBm). Power,Transmitting optical power: +3~+7dBmTransmission distance: 20KM. Max splitting ratio1:128
	Speed	Downstream 2.488G Upstream 1.244G
Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	4*copper Ethernet ports 10/100/1000M auto-negotiation
	SFP GE	2*SFP(GE)
	SFP 10GE	2* SFP+ (10GE)
USB		1*USB2.0(Type A)
Layer 3		Support static route, ARP proxy, hardware Host Routes, hardware Subnet Routes
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Management Mode		SNMP、Telnet、CLI、WEB、SSH v1/v2
Backplane	Gbps	128
MAC table	K	16
Operating condition	°C	Operating temp: -5 ~ +55
Storing	°C	Storing temp: -40 ~ +85

condition		
Humidity	%	5~90(non-condensing)
Power consumption	W	≤45
Dimension	mm	442mm×220mm×44mm (L×W×H)
Net weight	Kg	3.0Kg

4. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs /ctn	6.94kg/ctn	575*500*115mm
	5pcs /ctn	34.95kg/ctn	597*525*645mm