
HA7308GF 8PON GPON OLT



Overview

HA7308GF GPON OLT, 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.

HA7308GF 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” applications.

Feature

- 1U 19 inch standard box GPON OLT with 8 PON ports
- Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements
- L3 function, support static route, ARP proxy, hardware Host Routes, hardware Subnet Routes
- Tcont DBA, Gemport traffic
- QoS based on port, VID, TOS and MAC address(16K Mac address)
- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support IGMP snooping, IGMP Proxy
- 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 SNMP, telnet, CLI, OMCI/OAM and Web management
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Firewall function
- Support remote software upgrade
- Two power supply redundancy design

Technical Specification

Parameter	Specifications
PON standard.	GPON ITU-T G.984.x
PON interface	8*GPON SFP Ports (Class C+), Receiving sensitivity: $\leq -30\text{dBm}$ (Saturation Optical -12dBm). Power, Transmitting optical power: $+3\sim+7\text{dBm}$ Transmission distance: 20KM. Max splitting ratio 1:128
	Upstream 2.488G, Downstream 1.244G
Wavelength	Tx 1310nm, Rx 1490nm
Uplink	4*copper Ethernet ports 10/100/1000M auto-negotiation
	2*SFP(GE)
	2* SFP+ (10GE)
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	128Gbps
MAC table	16K
Operating condition	Operating temp: $-5\sim+55^{\circ}\text{C}$
Storing condition	Storing temp: $-40\sim+85^{\circ}\text{C}$
Humidity	5~90%(non-condensing)
Power consumption	$\leq 45\text{W}$
Dimension	442mm×200mm×44mm (L×W×H)
Net weight	3.1Kg