HA7316CFX 16PON EPON OLT

Overview

HA7316CFX EPON OLT, provides 16 EPON ports, 12 uplink ports (4*GE copper RJ45 Ethernet ports, 4*SFP(GE) and 4*SFP+(10GE)) , it has high reliability, highly dense broadband access and robust switching and routing abilities, is a new generation of broadband and multi service access OLT devices oriented towards the service-integrated network.

HA7316CFX 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 64 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.

Features

- 1U 19 inch standard box EPON OLT with 16 PON ports
- Compliant with IEEE802.3ah YD/T1475-2006—EPON and China Telecom EPON Technical Requirements
- L3 function, support static route、dynamic route RIP v1/v2 and OSPF
- QoS based on port, VID, TOS and MAC address(16K Mac address)
- Supporting VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support MLD v1/v2 snooping (Multicast Listener Discovery snooping), supporting 256 IP Multicast Groups
- Support IPv6, DN, support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc
- 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 various LLID configuration and single LLID configuration
- Different user and different service could provide different QoS by means of different LLID channels
- Specialized design for system breakdown prevention to maintain stable system
- Support SNMP, telnet, CLI, 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 parameters

Parameter	Specifications
PON standard	EPON IEEE802.3ah
PON interface	16*EPON SFP Ports (PX20+), Receiving sensitivity: ≤-30dBm(Saturation Optical -6dBm). Power,Transmitting optical power: +2 ～ +7dBmTransmission distance: 20KM. Max splitting ratio1:64
	Upstream 1.25G Downstream 1.25G
Wavelength	Tx1310nm, Rx 1490nm
Uplink	4*copper ethernet ports 10/100/1000M auto-negotiation
	4*SFP(GE)
	4*SFP+ (10GE)
Layer 3	Support static route、dynamic route RIP v1/v2 and OSPF
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℃ ~ +55℃
Storing condition	Storing temp: -40℃ ~ +85℃
Humidity	5~90%(non-condensing)
Power consumption	≤95W
Dimension	442mm×320mm×44mm（L×W×H）
Net weight	6.5Kg