HA7308CX 1U 8PON 10G uplink EPON OLT

HA7308CX EPON OLT is a high integration and medium capacity cassette EPON OLT designed for operators' access and enterprise campus network. HA7308C provides 8 downlink 1.25G EPON ports, 8 * GE LAN Ethernet ports and 4 *10G SFP for uplink. The height is only 1U for easy installation and space saving. It adopts the advanced technology, offering efficient EPON solution. Moreover, it saves a lot cost for operators for it can support different ONU hybrid networking.

It follows the IEEE802.3 ah technical standards and meets the EPON OLT equipment requirements of YD/T 1945-2006 Technical requirements for access network——based on Ethernet Passive Optical Network (EPON) and China telecom ctc standard.

HA7308CX EPON OLT series possesses excellent openness, large capacity, high reliability, complete software function, efficient bandwidth utilization and Ethernet business support ability, widely applied to the operator front-end network coverage, private network construction, enterprise campus access and other access network construction.

Feature

- Supply 8 SFP PON ports, 8 GE uplink ports, 4 10G uplink ports
- Support SNMP management and WEB ,CLI management
- Each PON port support maximum 1:64 split ratio, total 512 ONUs access
- Distance can reach 20km under 1:32 split ratio, in 10km maximum 1:64
- Support to work with different brands ONUs to establish passive network
- 1U rack design, inside fan,better for heat dissipating and reliability operating
- Support QoS, IPV4,multicast,loop protection
- Apply for town,village fiber network and surveillance, apply for FTTX network, to transmit IP phone, data,IPTV and other IP services access

Technical Specification

Parameter	Specification
Service Port	8 * PON port, 8 * GE, 4*10G SFP optical 1 console port
Power Supply	AC: input100～240V * 2 47/63Hz
Power Consumption	≤45W
Dimensions (Width x Depth x Height)	440mm×44mm×260mm
Weight (Full-Loaded)	≤4.5kg
Environmental Requirements	Working temperature: -10°C～55°C Storage temperature: -40 C～70 C Relative humidity: 10%～90%, non-condensing
PON Features	IEEE 802.3ah EPON China Telecom/Unicom EPON Maximum 20 Km PON transmission distance Each PON port supports the max 1:64 splitting ratio Uplink and downlink triple churning encrypted function with 128Bits
MAC	MAC Black Hole Port MAC Limit 16K MAC address
VLAN	4K VLAN entries Port-based/MAC-based/protocol/IP subnet-based QinQ and flexible QinQ (StackedVLAN) VLAN Swap and VLAN Remark PVLAN to realize port isolation and saving public-vlan resources
Spanning Tree	STP/RSTP Remote loop detecting
Port	Bi-directional bandwidth control for onu Static link aggregation and LACP(Link Aggregation Control Protocol) Port mirroring
Device Security	Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP SSHv2 Secure Shell Security IP login through Telnet
Network Security	User-based MAC and ARP traffic examination Restrict ARP traffic of each user and force-out user with abnormal ARP traffic Dynamic ARP table-based binding

ACL	Standard and extended ACL
	Time Range ACL
	Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination
QoS	Rate-limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and
	Priority remark to port or self-defined flow and provide 802.1P, DSCP
IPv4	ARP Proxy
	DHCPRelay
	DHCP Server
	Static Routing
Multicast	IGMPv1/v2/v3 IGMPv1/v2/v3
	Snooping IGMP Fast leave
	IGMP Proxy
Loop Protection	Loop back-detection
Link Protection	RSTP LACP
Device Protection	1+1 power hot backup
Network Maintenance	Port real-time, utilization and transmit/receive statistic based on Telnet802.3ah Ethernet OAMRFC 3164 BSD syslog Protocol Ping and Traceroute
Device Management	CLI, Console port, Telnet and WEBRMON (Remote Monitoring)1, 2, 3, 9 groups MIB NTPNetwork management <NMS>