HFR,Inc.
for Mobile Internet

Combo PON OLT

HL7208XG



Key Features and Benefits

- ITU-T G.984/G.9807.1/G.988 compliant
- L2/L3+ Non-blocking Switching and Routing
- 280 Gbps switching capacity
- Redundant PSU and FAU
- Up to 8 XGS-PON(10G) ports
- Up to 8 G-PON(2.5G) ports
- Up to 4 10GE uplink ports
- Max 32K MAC address table
- Max16K L3 host table
- Max 4K L2/L3 multicast table

Overview

With the rapid spread of broadband Internet and the emergence of various new applications, there is a growing demand at broadband access network. PON (Passive Optical Network) technology has emerged that can minimize the management while having excellent performance in terms of transmission distance and bandwidth.

HL7208XG is designed to accommodate these PON technologies and various applications. It can respond to the increase of wired/wireless traffic and demand for network enhancement, also enables wired/wireless integrated services.

HL7208XG is a box-type universal PON system that can be mounted in a 19-inch standard rack and can accommodate various protocols. It provides 8 XGS-PON ports and 8 GPON ports to the subscriber side and 4 ports 10G Ethernet service for connection with the upper network. You can easily migrate your GPON network to XGS-PON network with HL7208XG.

For operator's convenience, dual power input is provided on the front panel and selectable AC or DC type.

HL7208XG supports multicast for IPTV service and QoS/ACL(Quality of Service/Access Control List) for guaranteeing various qualities of service.

For more information

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HL7208XG Technical Specifications

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Platform	• 2U, 19 inches Rack-mountable • 128 MB SPI NOR + 2 GB NAND Flash Memory • 4 GB DDR3 SDRAM • 8-Port XGS-PON, SFP+ type • 8-Port G-PON, SFP type • 4-Port 10G Ethernet , SFP+ type (Uplink port) • 1-port Console, RJ-45 Type • 1-port 100/1000Base-T Ethernet for management • 1-Port PON Debug Console port, USB type • 2 PSU modules (Hot-swappable & Load balancing) • 220 Watt (Max.) • 2 FAU modules (Hot-swappable) • Automatic control of FAN's RPM
Capacity & Performance	• Switching Capacity : 280 Gbps • Packet Forwarding : 208 Mpps
Layer 2	• IEEE802.3 CSMA/CD • IEEE802.1q VLAN Tagging • Jumbo Frame • IEEE802.3ad Link Aggregation • IEEE802.1d STP • IEEE802.1w RSTP • IEEE802.1p CoS • IEEE802.3x Flow Control • IEEE802.1ad link aggregation • Storm Control • Port Mirroring • Port Isolation • MAX MAC Control per Port
Layer 3	• Static routing • OSPFv4, BGPv4
DHCP	• DHCP server, DHCP relay • DHCP Snooping • Option82
Multicast	• IGMP Snooping v1/v2 • IGMP Static Join • IGMP Fast Leave • IGMP Report Suppression • IGMP Join Filter/Limit • IGMP proxy, PIM-SM/SSM
QoS	• Queuing & Scheduling (SPQ, WRR, RED) • Queues per Port (8) • Ingress/Egress Rate Control • Class of Service (L1/L2/L3/L4) • DSCP Mark/Remark • DiffServ
Management & Security	• TFTP/FTP Software up-grade • CLI (Command Line Interface) • Telnet, SNMP v1/v2, MIB Ⅱ, • Private MIB • Syslog • Processor Management • Gateway Ping Check • SSH, Telnet • DHCP Filtering • NetBEUI Filtering • NBT Filtering(VISTA LTD Filtering) • DoS(Denial of Service) Protection • ARP Spoofing Protection • Self Loop Detection • Direct Broadcast Protection
Physical Dimensions (mm)	• 440 (W) × 88 (H) × 310 (D)
Multicast	• Operating Temperature: -20°C ~ 60°C • Operating Humidity (non- condensing): 0% ~ 95%
Power	• Input Voltage: AC 100~240V or DC 42~54V

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