SHENZHEN HCK Technology Ltd.

EP5800 Series

Gigabit EPON OLT with 10G SFP+

Overview

EP5800-04/08 is highly integrated, medium-capacity EPON OLT for operators, ISPs, enterprises and park applications。 The product follows the IEEE802.3ah technical standard，The product has good openness, strong compatibility, high reliability, and complete software functions. It can be widely used in operators' FTTH access, VPN, government and enterprise park access, campus network access, ETC。

EP5800-04/08 is only 1U in height, easy to install and maintain, and save space. Supports mixed networking of different types of ONUs, which can save a lot of costs for operators.

Model Select

EP5800-04

- 4*EPON Port
- 4*10/100/1000M Base-T
- 4*10GE SFP+
- 19" Rack-mount（440mm*44mm*200mm）

EP5800-08

- 8*EPON Port
- 4*10/100/1000M Base-T
- 4*10GE SFP+
- 19" Rack-mount（440mm*44mm*260mm）

Features

- Rich Layer 2/3 switching features and Flexible management methods
- Comply with IEEE 802.3ah EPON standard, with good ONU connectivity
- Rich Layer 2/3 switching features and Flexible management methods
- Support multiple link redundancy protocols such as FlexLink/STP/RSTP/MSTP/ERPS/LACP
- Support RIP、OSPF、BGP、ISIS and IPV6
- Support Power redundancy backup，power pluggable(EP5800-08)
- Type C management interface(EP5800-08)

Specification

Attributes	EP5800-04	EP5800-08
Exchange capacity	96Gbps	104Gbps
Packet forwarding rate	71.424Mpps	77.376Mpps
Memory and storage	memory: 512MB, storage: 32MB	memory: 512MB, storage: 32MB
Management port	Console, MGMT	Console, Type C,MGMT
Port	4*GEPON Port, 4*10/100/1000M Base-T, 4*1000M Base-X SFP/4*10GE SFP+	8*GEPON Port, 4*10/100/1000M Base-T, 4*1000M Base-X SFP/4*10GE SFP+
PON	Comply with IEEE 802.3ah EPON standard 20KM transmission distance 1:64 Max splitting ratio	
VLAN	Support 4K VLAN Support Vlan based on port, MAC and protocol Support dual Tag VLAN, port-based static QinQ and fiexible QinQ	
MAC	16K Mac address Support static MAC address setting Support black hole MAC address filtering Support port MAC address limit	
ring network protocol	Support STP/RSTP/MSTP Support ERPS Ethernet ring network protection protocol Support Loopback-detection port loopback detection	
port control	Support two-way bandwidth control Support port storm suppression Support 9K Jumbo ultra-long frame forwarding	
Port aggregation	Support static link aggregation Support dynamic LACP Each aggregation group supports a maximum of 8 ports	
Mirroring	Support port mirroring Support stream mirroring	
ACL	Support standard and extended ACL Support ACL policy based on time period Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc.	
QoS	Support flow rate limiting function based on custom business flow Supports mirroring and redirection functions based on custom business flows Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function, support queue scheduling algorithms such as SP/WRR/SP+WRR	
Safety	Support user hierarchical management and password protection Support IEEE 802.1X authentication Support Radius&TACACS+ authentication Support MAC address learning limit, support black hole MAC function Support port isolation Support broadcast message rate suppression Support IP Source Guard Support ARP flood suppression and ARP spoofing protection	
Layer 3	Support ARP learning and aging Support static route Support dynamic route RIP/OSPF/BGP/ISIS Support VRRP	

System management	CLI、Telnet、WEB、SNMP V1/V2/V3、SSH2.0
	Support FTP,TFTP file upload and downdload
	Support RMON
	Support SNTP
	Support system work log
	Support LLDP neighbor device discovery protocol
	Support RFC 3164 Syslog
	Support Ping and Traceroute
Environment temperature	Working Temperature：-10℃～55℃
	Storge temperature：-40℃～70℃
environment humidity	Operating humidity: 10%～95% (non-condensing)
	Storage humidity: 10%～95% (non-condensing)
environment friendly	China RoHs、、EEE
weight	≤3.5kg	≤5kg
fan	Fixed fans（two fans）	Fixed fans（three fans）
power	AC： 100～240V 47/63Hz； DC： 36V～75V；	
Power consumption	≤38W	≤49W
Dimensions （W *H *D）	440mm*44mm*200mm	440mm*44mm*260mm

Ordering Information

Model	Product description
EP5800-04	4*PON port, 4*10GE/GE SFP +4GE RJ45 uplink port, Dual power with optional
EP5800-08	8*PON port, 4*10GE/GE SFP +4GERJ45 uplink port, Dual power with optional

Application