# HE5000 EPON OLT Series

Datasheet

Porduct overview:

HE5000 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。

HE5000 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。

HE5004
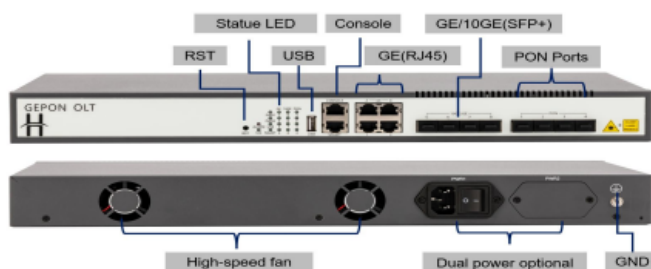
Main Feature

- 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

- Safe DDOS and virus attack protection

- Support Power redundancy backup，power plug gable(HE5008)

- Support power failure alarm

- Type C management interface(HE5008)

Product specifications

Attributes	HE5004	HE5008
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	Console， Type C
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
	Support DOS attack and virus attack 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 download	
	Support RMON	
	Support SNTP	
	Support system work log	
	Support LLDP neighbor device discovery protocol	
	Support 802.3ah Ethernet OAM	
	Support RFC 3164 Syslog	
	Support Ping and Traceroute	
Environment temperature	Working Temperature：-10℃～55℃	
	Storage 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 (Width * height * depth)	440mm*44mm*200mm	440mm*44mm*260mm

Purchasing Information

Product name	Product description
EPON OLT 4PON	4*PON port, 4*10GE/GE SFP +4GE RJ45 uplink port, Dual power with optional
EPON OLT 8PON	8*PON port, 4*10GE/GE SFP +4GE RJ45 uplink port, Dual power with optional