GL-E8031U-HZ 4GE ONU Huawei Hisilicon Chipset

Product description:

E8031U-HZ is an ONU device terminal in the EPON system. In cooperation with the OLT, the ONU can provide various broadband services to connected users, such as Internet, VoIP, IPTV, Video Conference and other services. It is based on the mature, stable and cost-effective EPON technology, providing one PON interface, four 1000M electrical interfaces, one power button, and one power interface. It adopts single fiber wavelength division multiplexing technology (downlink 1490nm, uplink 1310nm), only one optical fiber is connected to the OLT, the maximum transmission distance can reach 20 kilometers, the power failure report function is supported, and the local WEB management function is supported.

Product interface:

Interface：Hardware interface, viewed from left to right facing the direction of the interface, the interface sequence is: PON interface, network port 1-4, power button, power interface
Indicator light: LED definition from left to right: power supply, optical fiber G, optical signal, network port 1-4.
Features：

1. HGU/SFU ONU product form, support bridging and NAT mode ；
2. BOB product craft；

3．12V/1.5A External power supply 。
4．Provide a reset button 。

Product key features ：
•Processor characteristics:
> Hisilicon SD5113RBI CPUProcessor frequency 530MHz；
> network：AR8316-AK1E；

• Product key features ：
Ø EPON
>Conform with IEEE 802.3 EPON MAC standard ；
>Coform with EPON maximum distribution 1:64 ；
>Supports downlink rate of 1.25Gbit/s and uplink rate of 1.25Gbit/s ；
>Support DS/US FEC;
>Support downstream encryption and decryption functions ；
>Support bandwidth allocation ；
>Support synchronous Ethernet function ；
>Support and conform with RFC4837；

Ø Business performance
>Two-way wire-speed forwarding of Layer 2 data services；
>Layer 2/3/4 hardware NAT/NAPT;
>Support 802.3, 802.1Q Tag/Untag Ethernet frame ；
>Support ACL rules MAC, IP, TCP/UDP, ICMP, IGMP, IPV6 format;
>Support MIB counters, MIB-II RFC 1213, ethemet-like MIB rfc 3635, interface group MIB RFC 2863, RMON RFC 2819, bridge MIB RFC 1493, bridge MIB extension RFC26741, ITU G.984.4 OMCI ME MIBs;
>Support OAM and EEELLDP;
>IP address security filtering, MAC address security filtering, URL security filtering;
>Support SYN flood attack, anti-icmp echo attack, ICMP redirection attack, anti-smurf attack, anti-winnnuke attack, anti-land attack;
>Ethernet supports 802.1Qav and 802.1AS/1588v2 timing synchronization;
>Support the LAN side access setting and wan side access control setting of ONU;
>Support IEEE 802.3az energy-saving Ethernet capability, support 1000Base-t, 100Base-TX full duplex and 10Base-full/half duplex mode;
>Support default routing configuration, static routing configuration, policy routing configuration, wan binding configuration and service routing configuration;
>Support DMZ security parameter configuration, port mapping, port triggering;
>Support ALG, UPnP, arp, DDNS, IGMP, DNS, QOS, terminal restriction configuration in network programs;