Product introduction:

GL-E8011U-H is EPON terminal device,work with OLT,it can provide Internet,VOIP,V..It is based on mature and stable cost-effective EPON technology,providing 1 PON port,2 10/1000M,1 VOIP port.Adopt single fiber WDN technology(downlink 1490nm,uplink 1310nm),require only one fiber to connect with OLT,the longest transmitting distance can be 40KM,support power down report function,support local WEB management function.

Product interface:

Ports:hardware connection,from left to right as per connection direction,connection sequence:RJ11 telephone port,internet port 2 to 1,reset button,USB port,DC12V port,power switch.Indicator light:LED definition from left to right:power,fiber G,fiber signal,broadband,telephone,internet port 1 to 2.

Port feature

1)HGU ONU product modality,support bridge and NAT mode. 2)BOB product process 3)802.11b/g/n wireless access 4)Provide VOIP port,support connecting normal telephone 6)12V/1.5A external power

Product key features:

1)Processor features:support 800MHz frequency ARM processor;support 32KB I-Cache and D-Cache

2)VOIP:support 1 port voice processing1;support all kinds of warning tone generation;support G.711、G.722、G.729、T38 CODEC;support FoIP function;support Fax/Modem VBD（Voice Band Data）function;support echo restrain,voice activity

checking,comfortable background noise,voice frame compensation function;Support VoIP statistics,fault diagnosis function;Each POTS can individually configure VoIP CODEC mode,can configure CODEC priority sequence,packaging interval.;Support DTMF check,generate,deliver,recover function;Support FSK generate,has calling number generate displaying function;Support twice dialing,support RFC2833 in-band way transmitting DTMF voice;Support tripartite conference function

3)business function: Layer 2 data business two-way wire-speed forwarding,bridge mode support 4k MAC address list;Support 802.3,802.1Q Tag/Untag ethernet frame,support QinQ；Support flexible tag process,compatible CTC2.1,TR156 requirement;Support flexible classification,the max support 8K flexible classification rules;Support special message capture;Support link error code monitor and loopback monitor;Support 802.1ag/Y.1731,support connectivity monitor and performance test;Layer 3 data business two-way wire-speed forwarding,support IPv4,IPv6,support DS-Lite，6RD hardware acceleration;Support NAPT hardware acceleration,support 8K hardware acceleration list;Support L2，L3 (IPv4/6) multicast forwarding,support multiple forwarding way;Support multicast copy function,support 3Kpcs V4 multicast groups and 768pcs V6 multicast group

Support user side copy function;Ethernet MAC support rate,duplex mode auto-negotiation and manual setting;UNI port support 802.1x identification,STP （Spanning Tree Protocol）/RSTP（Rapid Spanning Tree Protocol）spanning tree protocol;By SLA control,Policing,queue management,scheduling/congestion

avoidance,discard management way,provide Qos guaranty for different priority.Support based on entrance flow control based ,for the business that over flow,it can choose packet loss or pause frame back pressure;Support Qos function

Product specification:

1) Port: Power:external power 12V/1.5A;Internet access:2pcs.support 10/100/1000M self-adaption;Optical port:one SC/PC port;Telephone port:one RJ11 telephone port;2) hardware key equipment specification;CPU:　MAC built-in 800Mhz　ARM processor　　MAC:　ZX297100A　　FLASH:　NAND FLASH　1Gbit　DDR:　1Gbit　SLIC:　Le9641

3) product size:

Product size （LXWXH):163X125X50 mm

4) Reliability and environmental suitability

storage temperature humidity:-10°C—55°C　5%—95% non-condensing　Working temperature humidity:-10°C—50°C　5%—95% non-condensing

Atmospheric pressure: 62kPa—106kPa Anti-thunder:line-lin:require 1.5KV Port-Land:require 6KV Anti-static:air discharge require 8KV(refer to IEC 61000-4-2)Contact discharge:require 6KV(refer to IEC 61000-4-2)

EMC: ETSI EN 300386，EN 55022　(Class B）Max distance:40KM Max speed:1.25G Installation place:user access point