

# E/GPON ONT/HGU

## (1GE+3FE+1POTS+2.4G\_WIFI)

### Product introduct

E/GPON 1GE+3FE+1POTS+WiFi+USB ONU support Dual mode(EPON and GPON), It can also be applied to a wide temperature environment, and also has a powerful firewall function.

E/GPON 1GE+3FE+1POTS+WiFi+USB ONU meets telecom operators FTTO (office), FTTD (Desk), FTTH(Home) broadband speed, SOHO broadband access, video surveillance and other requirements and design a EPON/GPON Gigabit Ethernet products. The box is based on the mature Gigabit EPON/GPON technology, highly reliable and easy to maintain, with guaranteed QOS for different service. And it is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

### Special Features

- ▶ Dual Mode( can access gpon/epon olts ).
- ▶ Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade, etc.
- ▶ Integrated OAM remote configuration and maintenance function.
- ▶ Support rich QinQ VLAN functions and IGMP Snooping multicast features.
- ▶ Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.
- ▶ Support 802.11n WiFi(2T2R) function.
- ▶ Support NAT, Firewall function.
- ▶ Support IPv4 and IPv6 dual stack.
- ▶ Integrated line testing compliant with GR-909 on POTS.

### Technical parameters

Technical item	1GE+3FE+1POTS+WiFi+USB
PON interface	1 E/GPON port(EPON PX20+ and GPON Class B+) Wavelength:Tx1310nm,Rx 1490nm SC/UPC connector Receiving saturation:≥-8dBm Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
LAN interface	1 x 10/100/1000Mbps and 3 x 10/100Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 300Mbps 2T2R,2 external antenna 5dBi Support: multiple SSID Channel:13

	Modulation type: DSSS、CCK and OFDM Encoding scheme: BPSK、QPSK、16QAM and 64QAM
POTS interface	1 FXS, RJ11 connector Support: G.711/G.723/G.726/G.729 codec Support: T.30/T.38/G.711 Fax mode, DTMF Relay Line testing according to GR-909
USB interface	USB 2.0
LED	13, For Status of PWR、PON、LOS、WAN、WiFi、FXS、ETH1~4、WPS、USB.
Operating condition	Temperature: 0℃ ~+50℃ Humidity: 5%~90% (non-condensing)
Storing condition	Temperature : -30℃ ~+75℃ Humidity :5%~90% (non-condensing)
Power supply	DC 12V,1/1.5A
Power consumption	≤10W
Dimension	205mm×140mm×37mm (L×W×H)
Net weight	0.34Kg