XPON ONU WITH 1GE+3FE+1POT+1USB+WIFI(300M)

1. Product Description

Nepstech NTPL-XPON2GEACV is 2GE+1POTS+WIFI (4T4R) XPON (GPON and EPON dual mode) HGU ONU. It is designed for meeting the multi-services needs of fixed network operators or cable operators, and widely used in FTTO (office), FTTD (desk), FTTH (home) broadband access, video surveillance and other requirements. It is based on mature GPON and Gigabit EPON technology, which have high ratio of performance to price, stable, cost-effective, high reliability, easy management, configuration flexibility, good quality of service (QOS) guarantees, and the technology of 802.11n WIFI(2T2R), Layer 2/3, and high quality VOIP as well. It is fully compliant with GPON and EPON technical regulations such as ITU-T G.984.x, IEEE802.3ah and technical requirement of GPON/EPON Equipment from China Telecom. Small size dual mode ONU can automatically detect OLT and switch PON mode, it can be used as GPON or EPON.

It can also be applied to a wide temperature environment, and also has a firewall function

2. Features:

➢ HGU ONU, bridging and routing modes can be set

➢ Dual mode ONU compatible with popular EPON and GPON OLT

➢ Support loop detection, IGMP, IGMP snooping

➢ 802.1Q VLAN, QinQ, Cos, DSCP, QOS for priority of service

➢ Support port speed, support for storm suppression

➢ Support 802.11a/b/g/n/ac WIFI(4T4R), rate up to 1.167Gbps

➢ Support VOIP protocol: SIP、IMS-SIP

➢ Support No-auth, WEP, WPA-PSK and WPA2-PSK

➢ Support Telnet, CLI, OMCI/OAM /TR069 and Web management

➢ POTS function support SIP protocol

➢ Support NAT, Firewall function

➢ Support remote software upgrade

3. Technical parameters

Items	Unit	Specifications
PON standard.		EPON IEEE802.3ah, GPON ITU-T G.984.x
Optical interface		SC/PC connector,1 GPON/EPON interface(EPON PX20+ and GPON Class B+)□Receiving sensitivity: ≤-28dBm□Transmitting optical power: 0～+4dBm□Transmission distance: 20KM

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Speed	Gbps	GPON: uplink 1.25Gbps, downlink 2.5Gbps; EPON: symmetric 1.25Gbps.
Wavelength	nm	Tx1310, Rx 1490
Interface	data	2GE 10/100/1000Mbps Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connectors
	Wireless	Compliant with IEEE802.11 a/b/g/n/ac WiFi, 4T4R external antenna, 2.4GHz Operating frequency: 2.400-2.483GHz□5.0GHz Operating frequency: 5.150-5.825GHz□Support MIMO, rate up to 1.167Gbps
	telephone	1x FXS,RJ11 connectors Supporting G.711/G.723/G.726/G.729 Supporting T.30/T.38/G.711 Fax mode, DTMF Relay Line testing according to GR-909
Indicator	LED	POWER, LOS, PON, WAN, LAN1, LAN2
Operating condition	°C	Operating temp: -5 ~ +55
Storing condition	°C	Storing temp: -30 ~ +60
Humidity	%	10~90(non-condensing)
Power supply	V	DC 12V,1.0A adapter
Power consumption	W	≤10
Dimension	mm	189*126*35mm(L×W×H)
Net weight	Kg	0.28

4. **Shipping packaging**

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Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs/ctn	0.49kg/ctn	262*238*51mm
	20pcs/ctn	10.8kg/ctn	535*470*280mm

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