XPON ONU with
1PON+1GE+1FE+1POTS+1CATV+Wifi 300M
NTPL-XPON1GFER

1. Product Description

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

2. Feature

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 802.11n 2T2R speed up to 300Mbps

- Support VoIP protocol: SIP、IMS-SIP

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

- Support Telnet, CLI, OMCI/OAM and Web management

- 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
Speed	Gbps	GPON: uplink 1.25Gbps, downlink 2.5Gbps; EPON: symmetric 1.25Gbps
Wavelength	nm	Tx1310, Rx 1490

NEPSTECH XPON ONU with 1GE+1FE+1 CATV

Interface	data	1FE 10/100Mbps 1GE 10/100/1000Mbps

		Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connectors
	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
	Wireless	Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R 2 external antenna
Indicator	LED	PWR, PON, LOS, LAN(GE, FE), FXS(PHONE), WiFi
Operating condition	°C	Operating temp: -5 ~ +55
Storing condition	°C	Storing temp: -30 ~ +60
Humidity	%	10~90(non-condensing)
Power supply	V	DC 12V, 1A adapter
Power consumption	W	≤6
Dimension	mm	210mm×110mm×33mm(L×W×H)
Net weight	Kg	0.29

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