

Technical Data Sheet

XPON VOIP ONT



PRODUCT CODE

NTPL--FWVGET0101

Product Introduction

XPON NTPL-FWVGET0101 ONU/HGU is wholly designed by Neps Technologies Pvt, Ltd, to fulfill FTTH (Fiber To The Home) and the demand of fixed network operators. It is based on the Gigabit xPON technology and has high cost performance. It complies with the technology of 802.11n WiFi (T/R), Layer 2&3 and even higher layer VoIP as well. It is high-reliable and easy to maintain, support multiple QoS service guarantees. And It is fully compliant with IEEE802.3ah or ITU-T G.984 and technical requirement of EPON and GPON Equipment from China Telecom, China Unicom.

Product Appearance



NTPL-FWVGET0101

Features

Items	Description
Main Service	1GE+1FE+WIFI+1POTS
	Plug and play, integrate auto detection, auto configuration and auto firmware upgrading
	Integrate TR-069 remote configuration and maintenance
	Support flexible QinQ VLAN, DHCP server/relay and IGMP/MLD multicast monitoring function
Highlight	Support diagnostic monitoring and remote disable of fiber optical
	Support 802.11n WiFi (T/R) function
	Support NAT and firewall function
	WAN support networking bridge, route and bridge/route mixed mode
	POTS integrated circuit test complies GR-909
Compatibility	Compatible with Huawei, ZTE and Fiberhome OLT etc.

Specifications

Items	Description
Fiber port	1 EPON or GPON interface, SC single-mode/single-fiber, Downstream rate 2.5Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm
Fiber interface	SC/PC
RX sensitivity	<-27dBm(1490nm)
WLAN	IEEE802.11b/g/n,300Mbps, a built-in antenna
LAN	1*10/100/1000Mbps+1*10/100Mbps adaptive ethernet ports, full/half duplex, RJ45 interface
Throughput capacity	Up to 900Mbps and more
POTS	1*FXS, RJ11 connector
DC power	12V 1.5A, external AC-DC power adapter
Button	Reset, power, WIFI
Power	≤10W
Operation	Working temperature: -5.+55. working humidity:10.90% (non-condensation)
Storage	Storage temperature: -30..+60. storage humidity: 10.90% (non-condensation)
Dimension	185*145*50mm(length*width*highs)
Net weight	≤0.4Kg

Date Service Function

Full speed 1G non-blocking switching

2048 MAC address table

4 LAN

Support VLAN QinQ, transparent, tag, translation, trunk, etc.

Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc

Support auto polarity detection of Ethernet ports (AUTO MDIX)

Integrated IEEE802.1p QoS with four level priority queues Support IPv4/

IPv6 IGMP snooping and MLD snooping Support bridge, route and
bridge/route mixed mode

VOIP Function

support SIP voice protocol

support H.248 voice protocol

SIP protocol: ISP provide the port number of the main SIP proxy server and terminal VOIP

Value range is 1-65535, system default value is 5060

H.248 protocol: ISP provide port number of the spare MGC server and VOIP terminal

Value range is 1~65535, system default value is

2944 Port ringing current voltage: 50 ± 10 VAC,

30 ± 10 H Port type POTS(VOIP)

Support G.711 A-Law/u-Law,G729A/B,G.723.1-5.3/6.3,G.726.etc.voice coding/compressed technology

Support auto switch in main interface and standby interface by the software

Wi-Fi service

Support Integrated 802.11b/g/n, 300Mbps

Support 16 connections

Support WEP and WPA/WPA2 security protocols.

Order Information

Model	Description
NTPL-FWVGET0101	1*EPON or GPON (1490/1310nm,20Km, SC),1*10/100/1000Bas e-T+1*10/100Base-T+ 1* Wi-Fi +1*POTS AC Power Supply (Europe or US stander optional)
Packaging size	185*145*50mm
Carton dimensions	500*390*460mm (Q'ty 36 PCS)
Carton N.W	15.3KG



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