

## PRODUCT DATA SHEET

IGE+IFE+IPots+wifi+CATV GPON ONU

## Overview

To deliver triple-play services to the subscriber in Fiber-to-the-Home or Fiber-to-the-Premises application, the GPON RGU (Residential Gateway Unit) NTFGN-02S-VTW incorporates interoperability, key customers' specific requirements and cost-efficiency.

Equipped with ITU-T G.984 compliant 2.5G Downstream and 1.25G Upstream GPON interface, NTFGN-02S-VTW supports the full Triple Play of services including video, Voice, wifi, and high speed internet access service.



Compliant with standard OMCI definition NTFGN-02S-VTW is manageable at remote side and supports the full range FCAPS functions including supervision, monitoring and maintenance.

## **Features**

ITU-T G.984.x compliant GPON ONT

1 GPON port, 1\* 10/100/1000Base-T + 1\*10/100Base-T Ethernet interface,

1\*VoIP interface.

1 RF Video interface and WIFI supported.

4K VLAN, 1K MAC table

Plastic shell for indoor installation

Powerful QOS abilities

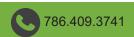
















## **Specification**

Uplink port	1 GPON port(SC/PC) Upstream 1.25Gbps, Downstream 2.5Gbps	GPON	Compliant with ITU-T G.984 GPON standards Multiple T-CONTs/GEM Ports per device Activation with automatic discovered SN and password in conformance with ITU-TG.984.3 FEC (Forward Error Correction) in both directions Support Multicast GEM port and incidental broadcast GEM port
Service Port	1* 10/100/1000 Base-T + 1* 10/100 Base-T Ethernet interface, 1*CoIP, 1 RF video Interface Support WIFI	Ethernet Interface	Auto negotiation or manual configuration     IEEE802.1D and IEEE802.1Q bridging     VLANtagging/detagging/QINQ/VLANtranslation
Weight	About 300g	WLAN	Compliant with IEEE 802.11 b/g/n     Multiple SSIDs , Bandwidth: 2.4GHz, MIMO: 2*2     64/128bit wireless encryption protocol (WEP)     Support No-auth, WPA-PSK and WPA2-PSK function with AES, TKIP encryption
RF Interface	RF output level of +18 dBmV     RF Passband: 54 MHz ~ 870 MHZ     Switched on/off by remote control	VoIP	Support SIP protocol Support Voice coding: ITU-T G.711/G.723/G.726/G.729 Support Echo cancellation Support high/low speed fax/Modem, bypass fax, and T38 fax Support InBand / RFC2833/SIP INFO, MD5 authentication, call forward, call waiting, hot-line call, and all kinds of value-added voice service. Multi-party conferencing Support Line testing according to GR-909
Power Consumption	< 10W	QOS	<ul><li>Port-based/802.1p/IP-TOS priority</li><li>4 priorities control</li></ul>
Power Supply	Additional power adaptor: 100-240VAC/50-60Hz input,12VDC/1.5A output	VLAN	802.1Q vlan, Port-based VLAN     VID and PVID     Configure tag attribution based on port+VLAN
Dimension	206mm x168mmx 39mm (Wx D x H)	RF Interface	RF output level of +18 dBmV RF Passband: 54 MHz ~ 870 MHz Switched on/off by remote control
Operation Environment	Temperature:-20°C ~ 55°C Humidity: 10% ~90% relative humidity	Multicast	IGMP v2/v3 snooping and IGMP     snooping with proxy report
Gateway	•WAN connection(PPPoE, DHCP, Static) • NAT/NAPT •Support DHCP server •Support Port forwarding	OAM	Standard compliant OMCI interface as defined by ITU-T G.984.4 and G.983.2     Compliant to TR-069











