

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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Auto negotiation or manual configuration IEEE802.1D and IEEE802.1Q bridging VLANtagging/detagging/QINQ/VLAN translation
Weight	About 300g	WLAN	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 style="list-style-type: none"> Port-based/802.1p/IP-TOS priority 4 priorities control
Power Supply	Additional power adaptor: 100-240VAC/50-60Hz input, 12VDC/1.5A output	VLAN	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> IGMP v2/v3 snooping and IGMP snooping with proxy report
Gateway	<ul style="list-style-type: none"> WAN connection(PPPoE, DHCP, Static) NAT/NAPT Support DHCP server Support Port forwarding 	OAM	<ul style="list-style-type: none"> Standard compliant OMCI interface as defined by ITU-T G.984.4 and G.983.2 Compliant to TR-069

