

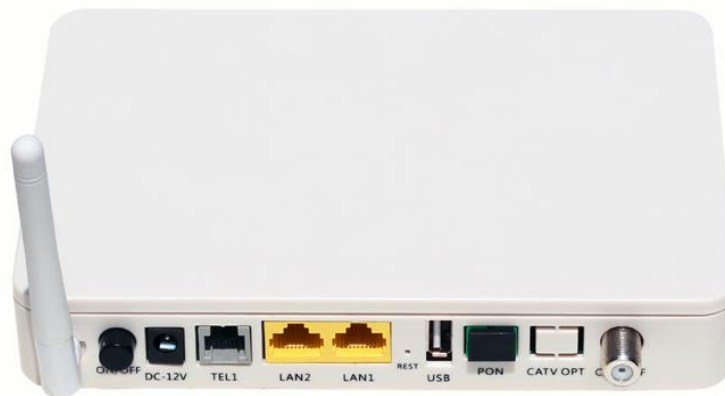
GPON ONT GN2000-2S-1VWT

Product Introduction

1. Overview

Integrated with powerful interoperability and low cost, GPON GN2000 series ONU provide triple-play services to the subscribers in FTTx application.

Equipped with 2.5G Downstream and 1.25G Upstream GPON interface compliant with ITU-T G.984 standard, GN2000 series ONU support the comprehensive triple-play services, including voice, video (IPTV or VoD), and high-speed internet access service.



2. Hardware Specification

Specification	GN2000-2FE-1V1T	
PON Interface	Rate	Upstream: 1.244Gbps Downstream: 2.488Gbps
	Interface standard	Class B+
	Optical output rate	+0.5~+5dBm
	Receiving sensitivity	-27dBm
	Receiving saturability	-8dBm
Service Interface	PON interface	1
	Data interface	2*10/100Base-T
	POTS interface	1
	Wifi	802.11n
	RF interface	1
	USB interface	0
Dimension	228mm(L)*176mm(W)*41mm(H)	
Weight	210g	
Power Supply	External power adapter, 12V/1.5A	

Power Consumption	<13.4W	
Working Environment	Temperature	0°C to +40° C
	Humidity	10% to 95% (no condensing)

3. Software Feature

Feature	GN2000-04GS-2VWT
GPON feature	<ul style="list-style-type: none"> ● Compliant with ITU-T G.984 GPON standard ● FEC (Forward Error Correction) in both upstream and downstream ● Dynamic bandwidth status report ● 802.1p mapper for upstream ● QoS scheduling based on SP or WRR between GEM port and T-CONT ● Downstream multicast GEM port and broadcast GEM port
Ethernet Feature	<ul style="list-style-type: none"> ● Support Auto-speed and MDI/MDIX auto detection ● Internal L2 switch ● Advanced data processing function, such as VLAN label processing, flow classification and packet filtering.
Gateway Feature	<ul style="list-style-type: none"> ● WAN support Router and Bridge mode ● Router mode supports PPPoE/DHCP/ static IP ● WAN support Internet、VoIP、IPTV、TR069 ● LAN supports DHCP and static IP ● Support NAT and NAPT ● Support UPnP
VoIP Feature	<ul style="list-style-type: none"> ● Support SIP (RFC3261) or MEGACO v2 (H.248) ● Support Voice coding: ITU-T G.711/G.723/G.726/G.729, auto-negotiate with call agent ● Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length ● 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
CATV Feature	<ul style="list-style-type: none"> ● RF output frequency: 45~1000MHz ● RF output level (dbuv) : ≥ 70 ● AGC dynamic range (DBM) : -12 ~ -2dBm ● CATV Received optical power range: -15 ~ -5 dBm
WIFI feature	<ul style="list-style-type: none"> ● Compatible with IEEE 802.11 b/g/n, maximum support 300Mbps ● Internal 2x2 MIMO antenna ● Single frequency 2.4GHz ● WEP、WPA-PSK、WPA2-PSK and other encryption
AM feature	<ul style="list-style-type: none"> ● Standard OMCI (the embedded operations channel) compliant with ITU-T

	<p>G.988</p> <ul style="list-style-type: none"> ● Compliant with TR-069 standard ● Compliant with TR-098、 TR-140 terminal integrated management interface specification, configuration of all kinds of services, including Ethernet、 VoIP、 WLAN, etc ● Alarm reporting, performance monitoring ● Remote software upgrade through OMCI
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4. Ordering Information

Model	Product Description
GN2000-2S-1VWT	GPON ONU 1GE+1FE+1POTS+WIFI+CATVplastic shell, external power adapter