GPON ONT GN2000-04GS-2VWT
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 with2.5G Downstream and 1.25G Upstream GPON interface compliant with ITU-T G.984 standard, GN2000 series ONU support the comprehensivetriple-playservices, including voice, video (IPTV or VoD), and high-speed internet access service.

2. Hardware Specification

Specification		GN2000-04GS-2VWT
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	4*10/100/1000Base-T
	POTS interface	2
	WIFI interface	Compliant with 802.11n standard,

Product Datasheet

		maximum support the rate of 300Mbps
	RF interface	1
	USB interface	1
Dimension	228mm(L)*176mm(W)*41mm(H)	
Weight	210g	
Power Supply	External power adapter, 12V/1.5A	
Power Consumption	<13.4W	
Working Environment	Temperature	0ºC to +40º C
	Humidity	10% to 95% (no condensing)

3. Software Feature

Feature	GN2000-04GS-2VWT
GPON feature	- 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	- 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	- WAN support Routerand Bridge mode - Router mode supportsPPPoE/DHCP/ static IP - WAN support Internet、VoIP、IPTV、TR069 - LAN supports DHCP and static IP - Support NAT and NAPT - Support UPnP
VoIP Feature	- 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	- RF output frequency：45~1000MHz - RF output level（dbuv）：≥70 - AGC dynamic range（DBM）：-12 ~ -2dBm - CATVReceived optical power range： -15 ~ -5 dBm

WIFI feature	• 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
OAM feature	• Standard OMCI (the embedded operations channel)compliant with ITU-T G.988 • 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

4. Ordering Information

Model	Product Description
GN2000-04GS-2VWT	GPON ONU 4GE+2POTS+CATV+WIFI, plastic shell, external power adapter