UGRID NETWORK INC.

SPECSHEET

UNT G/EPON ONU

UNT is a G/EPON-technology-based ONU designed for home and SOHO (small office and home office) users. It is an access device which adopts FTTH (Fiber to The Home) typical networking mode and provides a variety of services such as high-speed Internet access, online video on demand, video conference and large file transfer service to users. Remote service distribution, fault diagnosis and performance statistics can be realized by OMCI, which effectively reduces the operation and maintenance cost.

Description

- Suitable for home broadband, e-government and enterprise access with integrated access demands of broadband/data/video etc.
- Providing complete series of FTTH solutions for pure data, double play and triple play services, both indoor and outdoor types can be applied to meet the different application environment.
- Smart connection by multiple kinds of UNIs: GE,FE, Wi-Fi.
- The outdoor type of ONT with cast-aluminums shell adopts an industrial design.
- Support user-friendly GUI with plug-in and play capability instead of field configuration.
- High efficiency management and maintenance with port based mode configuration as well as port based status query.
- Carrier-level reliability in hardware/software and other system design to fully guarantee the normal operation of equipment

Technical Parameters

General	
GPON Standards	ITU-T G.984.2, ITU-T G.984.3 and ITU-T G.984.4
Distance	20KM Max
Data Rates	Upstream:1.25Gbps, Downstream:2.5Gbps
Wireless Standards	IEEE802.11a/n/ac,5.8GHz IEEE802.11b/g/n,2.4GHz
Signal Rate	5.8GHz:Up to 867Mbps 2.4GHz:Up to 300Mbps
Operation Frequency	2.4GHz and 5.8GHz
Receive Sensitivity	5.8GHz: 11a 54M: -76dBm 11ac VHT20 MCS8: -70dBm 11ac VHT40 MCS9: -65.5dBm 11ac VHT80 MCS9: -61.5dBm 2.4GHz: 11g 54M: -76dBm 11n HT20 MCS7: -74dBm 11n HT40 MCS7: -71d
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
PON	Wavelength: send 1310nm, receive 1490nm; transmit optical power: 0~ 5dBm; Receiving sensitivity: -28dBm; saturated optical power: -3dBm.
CATV	Input Optical Power：-15dBm ~ 0dBm Operating Wavelength：1530 ~ 1620nm RF Bandwidth：47MHz~1000MHz Optical AGC Control Range：0 ~ -12dBm Output level: 77dBuv
Hardware	
Interfaces	1 x SC/APC GPON Port 4 x 10/100/1000Mbps LAN Port 1 x CATV Port
Buttons	Power ON/OFF Button, 5G WiFi WPS Button，2.4G WiFi WPS Button，Reset Button
Power Supply	DC 12V 1.5A
Antenna	2 x 2.4GHz&5.8GHz 5dBi fixed external antennas
Dimensions (W X D X H)	19.5cm*13.5cm*3.5cm
Software Features	
WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation

Quality of Service	WMM, Bandwidth Control
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Management	Access Control Local Management Remote Management
Internet Protocol	IPv4, IPv6
Environment	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10%~90%, non-condensing
Storage Humidity	5%~95%, non-condensing
Certifications	CE, RoHS
Package Contents	
Package Contents	1 x GPON 1 x Quick Installation Guide 1 x Power Adapter 1 x Ethernet Cable

Ordering Information

Model	Xpon		Ethernet		Voice		WiFi		CATV		Customer cord
UNT-	-G		-40		-0		-3		-R		-XX
	E	EPON	10	1*GE port	0	N/A	0	N/A	0	N/A	
	G	GPON	02	2*FE ports	1V	1* POS	2	MIMO2*2, 802.11n 2,4GHz	R	TV/RF output	
			04	4*FE ports	2V	2 *POS	3	802.11b/g/n/ac WiFi dual band			
			11	1*GE,1*FE							
			13	1*GE,3*FE							
			04	4* GE ports							