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N300 Wireless GPON ONT

G17 (1GE+3FE+WiFi+CATV)

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G17

Product Descriptions

G17 supports the up-link and down-link symmetric 1Gbps transmission rate, providing users with good Qos guarantee and flexible bandwidth allocation. Ethernet business and IP integrated services. Integrated CATV optical receiver and wireless function, It is fully compliant with 802.11 n/b/g wireless standard protocol, External high-gain Omnidirectional antenna, wireless transmission rate up to 300Mbps, with strong penetrating power and wide coverage, providing users with more efficient data transmission guarantee, with high reliability and provide quality service guarantee, easy management, flexible expansion and networking. It's fully meet the requirements of ITU-T G.984.x and the GPON equipment technical requirements specification of China Telecom and has good compatibility with third party manufacturers OLT.

Main Features

- * GPON mode (Can access GPON OLTs).
- * Plug and play, integrate auto detection, auto configuration and auto firmware upgrading.
- * Support 802.11b/g/n 300Mbps Wi-Fi (T/R) function.
- * Integrated IEEE802.1p QoS with four level priority queues.
- * CATV function manageable, support CATV remote shutdown;
- * Supports OMCI (ONT Management Control Interface) remote management.
- * Support IPv4/ IPv6 IGMP snooping and MLD snooping.

Specification

General	
Protocol Standards	ITU-T G.984
Distance	20Km Max
Data Rates	Upstream rate 1.25Gbps Downstream rate 2.5Gbps
Wireless Standards	IEEE802.11b/g/n
Signal Rate	Up to 300Mbps
Operation Frequency	2.4GHz
Transmit Power	16dbm@MCS7 HT40 16dbm@MCS7 HT20 17dbm@OFDM 54M 19dbm@CCK 11M
Receive Sensitivity	11g 54M: -67dBm 11n HT20: -64dBm 11n HT40: -62dBm
PON TX Power	1~5dBm (1310nm)
PON RX sensitivity	<-28dBm (1490nm)
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Power	≤ 10W
CATV	
Optical Receive	-15~+2 dBm
AGC range	-12~-2 dBm
Fiber return loss	>14 dB

wave length	1100~1600 nm
Connector	RF
C/N	≥ 45 dB
C/CTB	≥ 62 dB
C/CSO	≥ 61 dB
BW	40~ 1000 MHz
Output level	≤ 82 dB μ V

Hardware

Interfaces	1xSC/UPC or 1xSC/APC (optional) 1x 10/100/1000Mbps LAN Port 3x 10/100Mbps LAN Ports 1x CATV Port
Buttons	WiFi Button, Reset Button
Power Supply	DC 12V 1A
Antenna	2*5dBi external antennas
Dimensions (W X D X H)	183*137*31mm(length*width*high)

Environment

Operating Temperature	-10°C~50°C
Storage Temperature	-40°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~95% non-condensing
Certifications	CE, RoHS

Software

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

Package Contents

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SHENZHEN FH-NET OPTOELECTRONICS CO., LTD.

Tel: +86-755- 86051202 Fax: +86-755- 86051253 E-mail: sales@phyhome.com

Web: www.phyhome.com

Address: Building D1, TCL International E City, No.1001, Zhongshanyuan Rd, Nanshan District, Shenzhen City, China 518052