



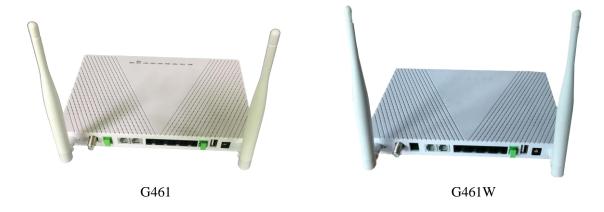
AK-G461/G461W GPON HGU

Introduction

AK-G461/G461W is a GPON Home Gateway Unit with brand new appearance, it's a fast, convenient, flexible, secure and highly integrated broadband connection device. It supports routing and bridging function, it's very suitable for home and small business users.

G461/G461W support optical fiber access with 2.5Gb/s downstream and 1.25Gb/s upstream two-way data transmission, conform with point-to-multipoint data service of ITU-T G.984.2 and ITU-T G.984.5, client support IEEE802.11b/g/n 300Mbps wireless connection, 2CH VOIP voice, 1 HOST USB2.0 interface, 1 CATV and 4 self-adaptive 10/100/1000M Base-T LAN interface which conform with IEEE802.3 and 802.3u.

Appearance



Parameters

Product Specification		
Upstream Interface	 PON Interface □ 1 optical fiber access port □ Conform with ITU-T G.984.2, ITU-T G.984.4 and ITU-T G.988 □ Downstream: 2.5Gbps(wavelength: 1490nm) Upstream: 1.25Gbps(wavelength: 1310nm) □ Average luminescence power: 0.5-5dBm(zero luminescence power:-45dBm) 	
	Receiving Sensitivity: up to -28dBm	





	Snenznen ANYK Technology Inc.
	 LAN Interface ■ 4 10/100/1000 Base-T RJ-45 Ethernet interface ■ Support straight crossed cable, support auto-negotiation ● Wireless ■ IEEE 802.11n、IEEE 802.11g、IEEE 802.11b ■ Two built-in antenna ■ The highest connecting rate: 300Mbps ■ Coverage: indoor 100m max, outdoor 300m max. ■ Transmitting Power 11B _POWER = 15.5dBm
Downstream Interface	11G_POWER = 15.5dBm 11N_HT20_POWER = 15.5dBm 11N_HT40_POWER = 14.5dBm EVM 11B_ EVM =-10dB 11G_ EVM =-30 dB 11N_HT20_EVM =-29 dB 11N_HT40_EVM =-29 dB CATV G461:double-fiber tri-direction G461W: single-fiber tri-direction RF frequency range: 47MHz — 1000MHz RF output impedance :75Ω
USB Interface	 1 USB 2.0 HOST interface which can provide 5V voltage with max current 1A Support external storage device
Voice Interface	 Support SIP protocol Support multi voice encoding format: PCMU, PCMA, G.722, G.723, G.726-32, G.729 Support voice value-added services: call forwarding, call waiting, call identification, abbreviated dialing, hot line service, do not disturb service, alarm clock, call barring, three-way calling
Power Supply	 Power Consumption: 8.5W External Power Adapter Input: 100-240V~50/60Hz 0.6A Output: DC12V/1.5A Lightning protection grade: 4KV
Product Appeara	nce
Buttons	 1 Power button, turn on/off the power 1 Rest button, restore factory settings 1 WLAN button, turn on/off wireless 1 Indicator Switch button, turn on/off the indicator
LED	 WIFI (wireless) status indicator FXS1 (VoIP) status indicator





	FXS2 (VoIP) status indicator	
	LAN4 (Ethernet port 4) status indicator	
	LAN3 (Ethernet port 3) status indicator	
	LAN2 (iTV) status indicator	
	LAN1 (Ethernet port 1) status indicator	
	LOS/PON (optical signal/optical fiber G) status indicator	
	PWR (power supply) status indicator	
WiFi	• Two antennas	
Dimension	• Length: 220mm Width: 136mm Height: 38mm	
Others		
	• Working Temperature: 0°C~45°C	
Operating	• Storage Temperature: -40°C~85°C	
Environment	• Working Humidity: 10% ~90% RH (no condensation)	
	• Storage Humidity: 5% ~90% RH (no condensation)	

Functions

Connection	
Upstream Connection	● Support PON upstream connection ■ PON optical connection ■ Conform with ITU-T G.984.2, ITU-T G.984.4 and ITU-T G.988
Connection Mode	 Support upstream connection PPPoE DHCP: DHCP Server; DHCP Client Static Connection Bridge Support 4096 VLAN unvarnished transmission Support 4096 VLAN ID definition
DNS	DNS Relay, Support DDNS
Address Translation	NATNAPT
Routing Protocol	 Static Routing Dynamic Routing RIP v1/v2
Port Relay	Virtual ServerDMZUPnP
VPN	VPN Pass-through





Support PFTP VPN Support IPSEC VPN Support L2TP VPN FTP ALG SIP ALG TFTP ALG TFTP ALG TFTP ALG PFTP ALG PFT ALG PFTP AL		Shenzhen ANYK Technology Inc.	
Support L2TP VPN		Support PPTP VPN	
ALG FTP ALG SIP ALG TFTP ALG H323 ALG PPTP ALG PPTP ALG PPSec ALG RTSP ALG RTSP ALG PTP Server FTP FTP Client IGMP IGMP Snooping IGMP Proxy Storage Sharing SAmba SLAAC DHCPv6 PPPoEv6 DHCV6 PPPoEv6 DNSv6 DNSv6 Support ICMP Support IPDD Bandwidth Control Bandwidth Control Support Server Support Ser		Support IPSEC VPN	
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Others Support ICMP Support IPPD Bandwidth Control Support CAR Rate-limiting Support absolute priority dispatch Support WRR Support DSCP Identification Support 802.1P Identification Support WPS Switch Support Weless Switch Frequency Bandwidth: Auto, 20M, 40M Wireless Security Wireless Security Support 64/128 bit WEP Encryption WPA-PSK/WPA2-PSK, WPA/WPA2 Security Mechanism Operating Management Support ICMP Support CAR Rate-limiting Support WPS Support WPS Support WPS Switch Support WFS Switch Support WFS Support WPS Switch Support WPS Support Multi SSID Setup Support Channel Selection Frequency Bandwidth: Auto, 20M, 40M Wireless Security Support ICMP Support WPS Switch Support WPS	IPV6		
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Local Support HTTP/Telnet/FTP/TFTP software update	Operating Manag	ement	
Support HTTP/Telnet/FTP/TFTP software update		Support local HTTP management	
Management Support system log		Support HTTP/Telnet/FTP/TFTP software update	
	Management	Support system log	





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	 Support configuration import/export Support time setting Support Internet time synchronization Conform with TR-098 and TR-104 standard, support various service configuration, including Ethernet, VoIP, WLAN etc. 	
Remote Management	 Conform with TR-069 standard Support HTTP remote access management Support Telnet/FTP/TFTP remote access SNMP V1/V2/V3 	
Security		
	Support multilevel user authority	
	 Modify user name, password supported 	
	Set WAN access control supported	
Security	Access control based on IP supported	
	Access control based on MAC supported	
	Parental control supported	
	DOS attack refusal	
	TCP/IP/Port/Connection filter rule	
	MAC layer filter	
1	URL/Domain Name filter	

Order

Model	Description
AK-G461	GPON,4*10/100/1000 Base-T, 2*POTS, 1*WLAN(802.11n), 1*USB, 1*CATV(double-fiber
	tri-direction)
AK-G461W	GPON,4*10/100/1000 Base-T, 2*POTS, 1*WLAN(802.11n), 1*USB, 1*CATV(single-fiber
	tri-direction)