

AK-G460 GPON HGU

Introduction

AK-G460 is a GPON Home Gateway Unit with brand new appearance, it's a fast, convenient, flexible, secure and highly integrated broadband connection device. G460 support routing and bridging function, it's very suitable for home and small business users.

G460 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 series, client support IEEE802.11b/g/n 300Mbps wireless connection, 2 FXS, 1 HOST USB2.0 interface, and 4 self-adaptive 10/100/1000 Base-T LAN interface which conform with IEEE802.3 and 802.3u.

Appearance







Parameters

Product Specificat	tion		
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) luminescence power: 0.5-5dBm, receiving Sensitivity: ≥-28dBm, long huminescence power≤-45dBm Support 32 T-CONTs Support 128 two way GEM interface 		
Downstream Interface	 LAN Interface 4 10/100/1000Base-T RJ-45 Ethernet interface Support straight crossed cable, support auto-negotiation Wireless 2.4G IEEE 802.11/n、 IEEE 802.11/g、 IEEE 802.11/b For 20MHz channel bandwidth, 65M bandwidth, throughput capacity>90Mbp/s, max physical connection speed is 150Mbp/s, for 40MHz channel bandwidth, 150M bandwidth, throughput capacity> 120Mbp/s, for 40MHz channel bandwidth, 150M bandwidth, throughput capacity> 120Mbp/s, max physical connection speed is 300Mbp/s 2x2 MiMo The highest connecting rate: 300Mbps Coverage: indoor 100m max, outdoor 300m max. Transmitting Power 11B _POWER = 15.5dBm 11N_HT20_POWER = 14.5dBm 11N_HT40_POWER = 14.5dBm 11B _EVM =-10dB 11G_EVM =-30 dB 11N_HT20_EVM =-29 dB 11N_HT40_EVM =-29 dB 		
USB Interface	 1 USB 2.0 HOST interface which can provide 5V - 1A output 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 		

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IYK	Shenzhen ANYK Technology Inc.	
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 Appearan		
Buttons	 1 Rest button, restore factory settings 1 WLAN button, turn on/off wireless 	
LED	 WIFI (2.4G wireless) status indicator FXS1(phone 1) status indicator FXS2(phone 2) status indicator LAN4 (Ethernet port 4) status indicator LAN3 (Ethernet port 3) status indicator LAN2 (Ethernet port 2) status indicator LAN1 (Ethernet port 1) status indicator PON (ONU registration) status indicator LOS (optical signal) status indicator PWR(power supply) status indicator 	
WIFI	• Single frequency (2.4G) 5db gain antennas	
Others		
Operating Environment	 Working Temperature: 0°C~45°C Storage Temperature: -40°C~85°C 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
IP	
Connection Mode	 Support upstream connection PPPoE DHCP: DHCP Server: DHCP Client Static Connection Bridge Support 4096 VLAN unvarnished transmission Support 4096 VLAN ID definition





ΥK		Elware
тп	Shenzhen ANYK Technology Inc.	
DNS	• DNS Relay, Support DDNS	
Address	• NAT	
Translation	• NAPT	
Routing	Static Routing	
Protocol	 Dynamic Routing RIP v1/v2 	
11010001	Virtual Server	
Port Relay	• DMZ	
1 oft Relay	• UPnP	
	• VPN Pass-through	
	Support PPTP VPN	
VPN	• Support IPSEC VPN	
	• Support L2TP VPN	
	• FTP ALG	
	• SIP ALG	
	• TFTP ALG	
ALG	• H323 ALG	
	PPTP ALG	
	IPSec ALGRTSP ALG	
FTP	FTP ServerFTP Client	
IGMP	IGMP Snooping	
	• IGMP Proxy	
	• SLAAC	
IPv6	 DHCPv6 PPPoEv6 	
	DNSv6	
	Support ICMP	
Others	Support IPPD	
Bandwidth Contro		
	Support CAR Rate-limitingSupport absolute priority dispatch	
QoS	 Support WSR 	
QOD	Support DSCP Identification	
	• Support 802.1P Identification	
Wireless Paramete	ers	
	Support Wireless Switch	
Daria E	• Support SSID Setup	
Basic Functions	Support Channel Selection	
	• Frequency Bandwidth: Auto, 20M, 40M	

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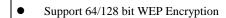


Wireless

Security

Shenzhen ANYK Technology Inc.

•	Wireless MAC Address Filter



• WPA-PSK/WPA2-PSK、WPA/WPA2 Security Mechanism

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

Dimension and Weight

Madal	ONU Dimension	Packing Dimension	ONU We	eight(kg)
Model	L*W*H(mm)	L*W*H(mm)	Net Weight	Gross Weight
AK-G460	175*133*35	296*179*74	0.3	0.6

Order

Model	Description	
AK-G460	GPON,4*10/100/1000 Base-T, 2*FXS, 1*WLAN(802.11g/b/n), 1*USB, plastic	
	housing	