

WA-320

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WiFi VoIP Gateway

Compact Voice and Data Solution for SOHO



Multi – Service

WA-320 is an integrated data and voice router specially designed for small office and home office (SOHO). With built in 802.11b/g high speed wireless LAN access point, WiFi-enabled devices such as laptops and smart phones can enjoy wireless Internet access at any time, within the SOHO perimeters. This device supports up to three concurrent LAN devices which can be connected directly to servers and network printers, enabling office automation. Meanwhile, the two FXS VoIP RJ-11 ports provide quality IP-based voice and fax transmission, resulting in significant cost savings as opposed to traditional telephony systems.

Secured Access

To ensure privacy, WA-320 protects data transmitted with a 128-bit WEP encryption and supports the industry-strength wireless security of WiFi Protected Access™ (WPA). Additionally, WA-320 is built with SPI firewall to prevent intrusions and other common Internet attacks. It also supports VPN pass-through and can be configured to control users' access to the Internet.

Quality Voice

iLBC, a low bit rate codec is implemented for quality SIP-based VoIP services. This ensures sustained voice quality during packet loss and limited bandwidth availability. In fact, WA-320 has succeeded interoperability tests (IOT) with leading soft switches. As such, Operators can deploy WA-320 in SOHO environments to deliver voice services over both fixed and wireless broadband.

Remote Management

An Auto Provisioning Server provides remote firmware updates, configuration initialization, backup and restore functions. Service provisioning is automatically performed each time the WA-320 is connected to the Internet and establishes a link with the Auto Provisioning Server. WA-320 can be managed by most IP network device management systems via SNMP to enable troubleshooting and performance monitoring.

Features

- 802.11b/g Access Point
- WEP and WPA1 for Wireless Security
- SOHO Internet Gateway
- Stateful Packet Inspection
- 1 WAN Port & 3 LAN Ports
- Internet Acceleration
- VoIP with 2 FXS Ports
- Supports iLBC (Internet Low Bit Codec)
- Smart QoS for VoIP Packets
- Auto Provisioning
- Remote Firmware Update



Use WA-320 to transmit data and voice packets over an IP-based network

Technical Details

Data Specifications

Standard Compliance:	IEEE 802.11b/802.11g
Communication Method:	CSMA/CA
RF Sensitivity:	@PER<0.08 ,11Mbps < -82dBm(typical) @PER<0.08, 54Mbps < -71dBm(typical)
Data Rate:	· 11g: 54Mbps/48Mbps/36Mbps/24Mbps/ 18Mbps/12Mbps/9Mbps/6Mbps · 11b: 11Mbps/5.5 Mbps/2 Mbps/1Mbps
Operating Frequency:	2.400 - 2.483GHz
Ports:	One 10/100 Base-TX RJ-45 WAN Port Three 10/100 Base-TX RJ-45 LAN Ports Two Standard Rill FXS Phone Ports
Wireless Security:	WEP 256bits/128 bits/64 bits, WPA
LAN:	NAT, DHCP Server
WAN:	PPPOE client, DHCP client, Fix IP Address
Virtual Server:	Port Forwarding
QoS:	IP TOS (IP Precedence)/DiffServ
Firewall:	· Access Control Service · DMZ for Public Server · Content & IP Filtering · DoS attack defection · Real-time Attack Alert and Logs · Stateful Packet Inspection(SPI)
Auto Provisioning:	Automatic configuration by remote server via TFTP/FTP/HTTP
Firmware Update Management:	· Automatic remote management update by Update Server · SNMP v1/v2 · Remote management over the IP Network

Environmental Specifications

AC Power:	AC100V-240V, DC12V/1.5A, 50/60 Hz
Temperature:	0°C - 40°C (Operating)
Humidity:	Up to 90% non-condensing
Emission:	CE
Dimension:	136mm x 145mm x 28 mm (L x W x H)

* Product specifications are subject to change without prior notice.

For more information on Green Packet's products and solutions, please contact us at inquiry.gp@greenpacket.com

Green Packet is a leading developer of Next Generation Mobile Broadband and Networking Solutions. We provide comprehensive, innovative and customizable telecommunications solutions in the field of seamless mobility, unified communications, monitoring solutions and content delivery platforms. Additionally, our product portfolio includes best-in-class devices that provide optimum performance and support various wireless technologies including GPRS, 3G, HSPA, LTE and WiMAX.

Green Packet's products and solutions empower Fixed Line, Mobile, VoIP and WiMAX Operators to offer a better end-user experience, while accelerating time-to-market and gaining first mover advantage.

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VoIP Specifications

Voice Protocols:	· Session Initiation Protocol (SIP) (RFC2543/RFC3261) · STUN (RFC3489), ENUM (RFC 2916) · Outbound Proxy Support · RTP Payload for DTMF Digits (RFC2833)
Voice Codec:	iLBC, G.711(A-law/ μ -law), G.729AB, G.723, G.276
Fax Support:	T.38 FAX Relay, G.711 Fax pass-through
DTMF Relay:	In-band DTMF Relay/ Out-of-band DTMF Relay (RFC2833)
Tone Detector:	DTMF, V.21/V.25 Modem/Fax CNG, FAX Tone, 1100 Hz
Supplementary Service:	· Call Waiting · Call Hold/Resume
Call Transfer:	Blind Transfer/Attended Transfer
Call Forward:	On Busy Forward/No Condition Forward /No Answer Forward
Call Screen:	Incoming Call Screen(Reject or Forward Call)/ Outgoing Call Screen (Block Outgoing Call)
Voice Enhancement:	· Lost Packet Concealment · Dynamic Jitter Buffer · VAD (Voice Activity Detection) · CNG (Comfort Noise Generation) · SID Support · Noise Level Matching · AGC (Automatic Gain Control) · Caller ID Generation/Detection · NTT CID Generation · SIP Session Timer Support · P-Asserted-Identity Header Support · Adjustable volume : -9db to 9db · Multi-Line Appearance · 3-Way Conference · Peer-to-Peer SIP Call by Dial Plan

Package Contents



- 1 x Wireless LAN VoIP Gateway
- 1 x Quick Installation Guide
- 1 x Power Adapter
- 1 x RJ45 Network Cable
- 1 x RJ11 Phone Cable

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