WLAN 11b/g VoIP Gateway

Introduction

The WLAN 11b/g Voice over IP Gateway offers high quality of service, stable firewall, with the added convenience of a built-in 802.11b/g wireless access point for wireless access to broadband services and high-quality voice services and rich CLASS features that support enhanced telephony services. It is no need for stand-alone routers, 4-port hubs, and WALN APs, 2-Channel VoIP terminal adaptor and provides a single platform for connecting telephones and PCs to a broadband access.

Feature

Network Features

- DHCP client for WAN
- Support PPPoE and static IP
- DHCP server for LAN,up to 253 end user
- QoS guarantee voice quality ToS, Diffserv and 802.1P/Q
- Dynamic DNS proxy

Voice Features

- SIP RFC3261 / SDP RFC2327 / RTP RFC1889
- CODEC: G.711, G.723.1 and G.729
- DTMF: in-band and out-of band

WLAN Features

- IEEE 802.11b & 11g compliant
- Data rate: 54/48/36/24/18/12/9/6 Mbps
- 802.1x and TKIP
- Site survey: Scan available network

- NAT and NAPT
- Virtual server and Virtual DMZ
- Firewall function with Access Control List (ACL)
- Firewall function with hacker pattern detection

- Voice activity detection (VAD)
- Comfort noise generation (CNG)
- Silence threshold
- Jitter buffer

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Specification

- WAN Interface: RJ45* 1port
- LAN Interface: RJ45* 4ports (Switch)
- WLAN: 11b/g AP inside (11Mbps/54Mbps)
- Antenna: 2.4GHz external antenna* 1 + internal antenna* 1
- VoIP Connection: VoIP* 2ports / FXO* 1port (optional)
- Standard
  - Ethernet: IEEE802.3, 802.3u, 802.11b, 802.11g
  - VoIP: SIP, G.711a/u law, G.729 A/B/E, and G.723.1
- WLAN Tx/Rx
  - Tx/ Output power: 11b (11Mbps): 18dBm / 11g (54Mbps): 12dBm
  - Rx/ Sensitivity: 11b (11Mbps): -86dBm / 11g (54Mbps): -68dBm
- LEDs: Power, Status, WLAN, WAN, LAN1, LAN2, LAN3, LAN4, TEL1, TEL2
- Ringer Equivalence Number (REN): 5 REN per Telephone line
- On-Hook Voltage: 40-50VRMS

General

- Power Supply: DC 12.0V
- Dimension (L* W* H): 160* 130* 30 mm
- Operating Temperature: 5°C ~ 40°C
- Storage Temperature: -20°C ~ 60°C
- Relative Humidity: 10% ~ 90% non-condensing
- Emission & Safety: Compliance with FCC Part15
- System Requirement
  - Cable or DSL broadband access
  - VoIP telephone service
  - PC with Ethernet port and Web browser (for configuration)