

802.11b/g WLAN VoIP Gateway

RE54VR4-2S-X0



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Wireless LAN 802.11b/g

- Fully integrated IEEE 802.11g-compliant MAC, baseband, and modem functions
- Supports 802.11g data rates of up to 54 Mbps with automatic fallback to 48, 36, 24, 18, 12, 9, and 6 Mbps
- Supports 802.11b data rates of up to 11 Mbps with automatic fallback to 5.5, 2, and 1 Mbps
- OFDM modulation with full-duplex MAC and half-duplex baseband
- DBPSK, DQPSK and CCK modulation with full-duplex MAC and half-duplex base-band (BB)
- Multiple radio interfaces
- Supports long and short preamble modes
- Resistant to adjacent channel and co-channel interference
- Compliant transmit modulation accuracy and transmit power spectral density
- Fully parameterized AGC design allows flexibility to interface to a variety of RF analog front end devices
- Supports 64 and 128-bit WEP, WPA, and WPA2,
 - WDS support
 - AP mode support
 - AP + Client mode support
 - Client mode support

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Network Protocol

- SIP protocol RFC3261

Codec

- G.711: 64k bit/s (PCM)
- G.723.1: 6.3k / 5.3k bit/s
- G.726: 16k / 24k / 32k / 40k bit/s (ADPCM)
- G.729A: 8k bit/s (CS-ACELP)
- G.729B: adds VAD & CNG to G.729

Voice Quality

- VAD: Voice activity detection
- CNG: Comfortable noise generator
- LEC: Line echo canceller
 - G.165, G.168 compliant
 - Echo canceller for each port

Call Function

- Call Hold
- Call Waiting
- Call Forward
- Call Transfer
- Caller ID
- 3-ways conference

DTMF Function

- RFC2833
- In-Band DTMF
- Out-of Band DTMF
- SIP Info

IP Assignment

- Static IP
- DHCP client
- PPPoE client

QoS

- ToS field

NAT Traversal

- STUN (Simple Traversal UDP through NAT)

Configuration

- Web Browser
- Windows base Easy setup program

Auto provisioning

- HTTP

Fax modes

- T.38 relay support
- G.711 pass through

WAN/LAN Protocols / Interfaces

- Support 1 Port Ethernet Interface (10/100Mbps) which compliant with IEEE 802.3x standards.
- 10/100 Mbps auto selection
- Ethernet port supports Automatic MDI/MDI-X configuration transceiver.

LAN Protocols /Interfaces

- Ethernet interface
- Support 4 Ports Ethernet Interface (10/100Mbps) which compliant with IEEE 802.3x standards.
- 10/100 Mbps auto selection
- Ethernet ports support Automatic MDI/MDI-X configuration transceiver.

Hardware interfaces

- 1 Power jack
- 1 Power switch for power on /off
- 1 Reset button for reset to factory default function
- 1 Ethernet jack for WAN port connection
- 4 Ethernet jack for LAN ports connection
- 2 RJ11 phone jacks for VOIP FXS connection
- 1 External antenna

Environment :

- Operating Temperature: 0°C~40°C
- Storage Temperature: 0°C~60°C
- Operating Humidity: 10%~85% RH
- Storage Humidity: 10%~90% RH

Dimension : 183X127X33mm

