EagleEye

Enterprise VoIP/SIP Router with 4G/LTE

Model: FWR7202
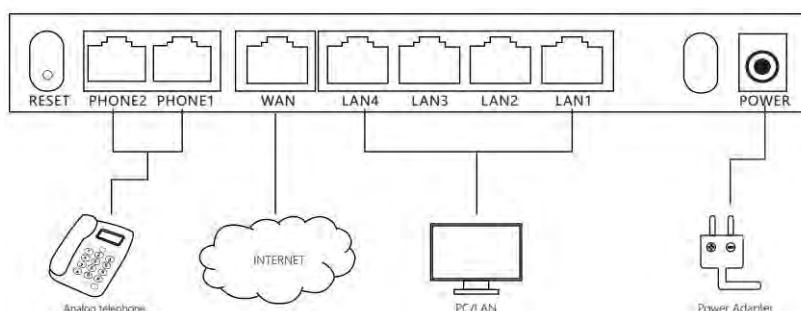
Features Key

- 4G-LTE
- Rich QoS capability in wired and wireless
- 5dBi External Antenna
- 2.4GHz 300Mbps WiFi
- 10/100Mbps Ethernet

Hardware Interface

Overview

The EagleEye powerful VoIP Wireless Router FWR7202 includes extended functions which support a 4G card and 2 FXS ports. This design not only provides conventional VoIP and routing capabilities, but also allow users to enjoy the 4G wireless network anytime. Users can also use FWR7202 as a FTP server to share LAN files, pictures and other resources. Meanwhile, 2 FXS ports can be well adapted to small and micro enterprises, with 1FXS for telephone and 1FXS for Fax - no need to add additional equipment. The FWR7202 VoIP wireless router is ideally suited for small and medium enterprises to build a wireless office.

FWR7202 supports IEEE802.11b/g/n wireless LAN standard. The highest wireless speed is up to 750Mbps and it supports both 2.4GHz and 5GHz bands. For VoIP end users, the 5G band ensures less interference and better transmission quality. Users can also enjoy greater bandwidth and enhanced data throughput.

Technical Parameters

VoIP SoC
- CPU:MIPS Single-core 600MHz

Flash
- 16M Flash

RAM
- 64M DDR2 RAM

Power
- AC/DC Adapter
  AC Input: 100~240V, 50~60Hz
  DC Output: 12V, 1.5A

Operating System
- Linux 2.6.36

I/O Interfaces
- 1 RJ-45 for WAN port (Ethernet 100 Base-T)
- 4 RJ-45 for LAN port (Ethernet 100 Base-T)
- 2 RJ-11 for FXS port
- SIM Card
- IEEE802.11 b/g/n

Environmental
- Operation Temperature: 0~50 Degree C
- Storage Temperature: -25~ 85 Degree C
- Relative Humidity: 10%~90% No Condensing

Audio Codec
- G.711(A/u),PESQ>4.3
- G.729AB,PESQ>3.7
- Adaptive Jitter Buffer Management
- Voice Activity Detection
- Comfort Noise Generation
- Echo Cancellation
- T.30 FAX with G.711
- Real time FAX over IP via T.38

LTE Features
- Four-Band TDD-LTE B38/B39/B40/B41
- Four-Band FDD-LTE B1/B3/B7/B8
- Dual-Band TD-SCDMA B34/B39
- Dual-Band UMTS/HSDPA/HSPA+ B1/B8
- GSM/GPRS/EDGE 900/1800 MHz
- Uplink up to 50Mbps
- Downlink up to 100Mbps
- 2G/3GFallback

Management
- Firmware Upgrade
- Web Management Interface
- IVR-driven Management Interface
- Local and Remote Syslog (RFC3164)
- Auto Provisioning
- SNTP Time Synchronization
- Multi User Level
- SNMP v2
- Telnet
- TR069
- System Log: local log and remote log
- Support Flying FCMS Cloud Management

Protocols
- SIP V2.0 (RFC 3261, 3262, 3263, 3264)
- Backward compatible with RFC2543
- Session timer (RFC4028)
- SDP (RFC2327)
- RTP/RTCP (RFC823/903)
- NAPTR for SIP URI lookup (RFC2915)
- STUN (RFC2030)
- ARP/RARP (RFC 826/903)
- SNTP (RFC 2030)
- DHCP/PPPoE
- HTTP Server for Web Management
- TFTP/HTTP for Auto Provisioning
- Message Waiting Indicator (RFC3842)
- DHCP Option Codes for SIP (RFC3361)
- DNS/DNS SRV (RFC1706 and RFC 2782)
- IEEE802.1Q VLAN/802.1p and IP DSCP

Wireless
- 802.11 b/g/n support
- 4 SSID
- Static WEP(64/128bit)
- Dynamic WEP(64/128bit)
- AES(CCMP/TKIP)
- MAC certification
- WEP certification
- WPA-PAK/WPA-PSK(2.0)
- WPA/WPA2
- AP Isolation and MBSSID AP Isolation
- WMM

- WDS
- WPS
- Station list
- Radius certification and billing
- MAC Filter (different from wired MAC Filter)

Applications
- Support LTE
- Support NAT mode and Bridge mode
- Support DDNS
- MAC address cloning
- SIP proxy redundancy
- NAT Traversal by STUN
- Built-in Wired speed NAT Router
- DHCP Server and Client
- IP conflict detection
- Port Forwarding, DMZ, SuperDMZ
- 802.1Q VLAN/802.1p, DSCP, Rate Limiting
- VPN (PPTP, L2TP, IPSec) Passthrough
- SNTP
- IGMPv2
- Firewall (SYN Flooding, IP Spoofing, Smurf Attack, Ping of Death, DoS)

Call Features
- 3-way conference
- Call hold
- Call forwarding
- Call Transfer
- Call waiting
- Caller ID and CWCID
- DTMF Relay: In-band, Out-band and SIP INFO
- QoS Layer 3
- Call Log
- CID/CWCID
- Dial Plan
- DTMF Mode: Inband, outband and SIP Info

Regulatory
- FCC Part 15 Class B approval
- CE certification
- RoHS compliance

Size and Weight
- 188mm (L) x 155mm (W) x 29mm (H)
- 331g (Without Packing)