VoIP Wireless Router FWR8102
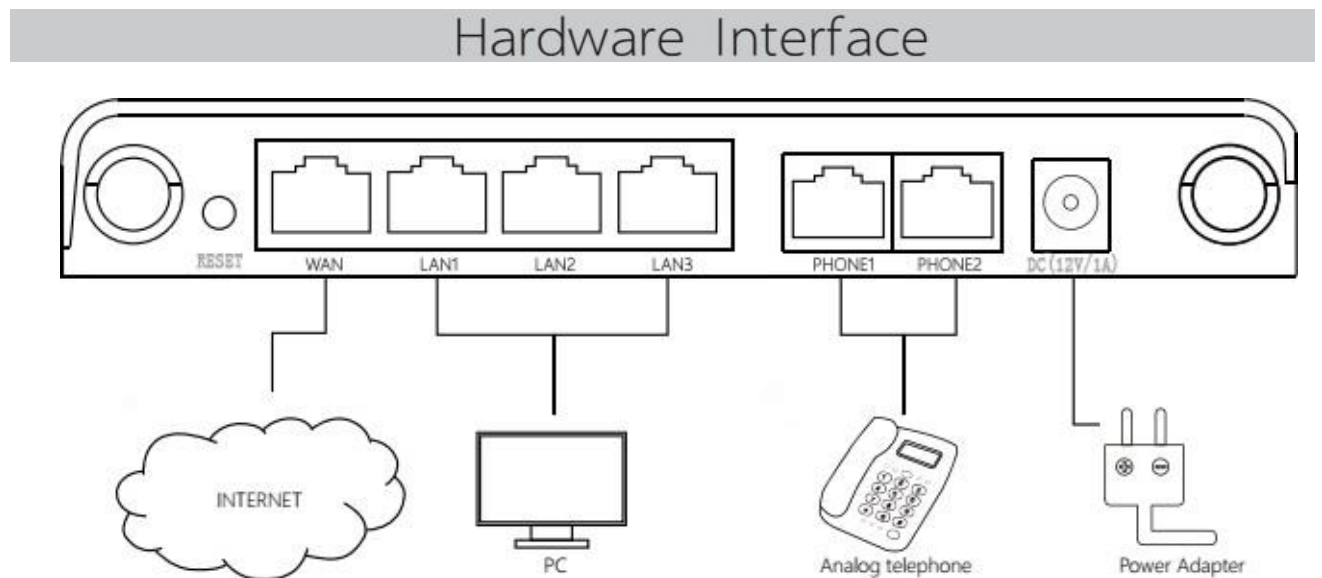
Feature Keys

- Support QoS

- 10/100Mbps Ethernet

- Support 2.4GHz 300Mbps Wi-Fi

- Real-time IP fax, T.38 and T.30

Hardware Interface

Overview

FWR8102 Home Gateway is a highly integrated access device that integrates routue and VoIP. FWR8102 supports 2.4GHz wireless,for VoIP terminal users, it not only provides users with the VoIP functions, but also allows users to enjoy the wireless network. FWR8102 can also be used as an FTP server to implement resources such as files and pictures in the LAN shared. At the same time, the two FXS interfaces are well adapted to the needs of ordinary small and micro enterprises for one-way FXS and one-way fax, and no additional cost is needed to add additional equipment. Based on the SIP V2 and 802.11n standards, the FWR8102 is compatible with most network

service providers. It has four 10/100Mbps network ports and two FXS interfaces, which greatly facilitates the realization of VoIP networks. The FWR8102 not only provides high-quality voice communication, wired network sharing, but also provides access point (AP) functions in daily wireless communication. Equipped with an advanced router, the FWR8102 can make voice calls through a SIP proxy, also has IP sharing and QoS mechanisms. The small and exquisite appearance will not waste a lot of space for the office network and communication requirements.

Technical Parameters

Flash	• 16MB Flash
RAM	• 128MB DDR2 RAM

Power	• AC/DC Adapter
	   AC Input: 100~240V, 50~60Hz
	   DC Output: 12V, 1A

Operating System	• Linux 2.6.36
I/O Interfaces	• 1 RJ-45 WAN Port (Ethernet 100 Base-T) • 3 RJ-45 LAN Ports (Ethernet 100 Base-T) • 2 RJ-11 FXS Ports
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 • G.729AB,PESQ>3.6 • 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
Feature Keys	• 2T2R 2.4G 802.11 b/g/n(300 Mbps) • Support VoIP FXS port with SIP and T.38 FAX
Protocols	• SIP V2.0 (RFC 3261) • Backward compatible with RFC2543 • Session timer (RFC4028) • SDP (RFC2327) • RTP/RTCP (RFC1889/RFC1890) • 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/HTTPS for Auto Provisioning • Message Waiting Indicator (RFC3842) • DHCP Option Codes for SIP (RFC3361) • DNS/DNS SRV (RFC1706 and RFC 2782) • TR069 (TR098,TR104) • IEEE802.1Q VLAN/802.1p/DSCP • SNMP v2

Applications	• 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, OpenVPN) Passthrough,IPSec
	• SNTP
	• IGMPv2
	• Firewall(DDoS attack)

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
	• MAC Filter(different from wired MAC Filter)

Call Features	• 3-way conference
	• Call hold
	• Call forwarding
	• Call Transfer
	• Call waiting
	• DTMF Relay: In-band, RFC2833 and SIP INFO
	• QoS Layer 3
	• Call Log
	• CID/CWCID
	• Dial Plan

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

| SIZE And Weight | • 158mm(L)x140mm(W)x29mm(H) |
| | • 225g (N.W) |

Place Order

Product Number	Description
FWR8100	1 WAN+3 LAN
FWR8101	1 WAN+3 LAN+1 FXS
FWR8102	1 WAN+3 LAN+2 FXS