

# VoIP Wireless Router FWR8102



## Feature Keys

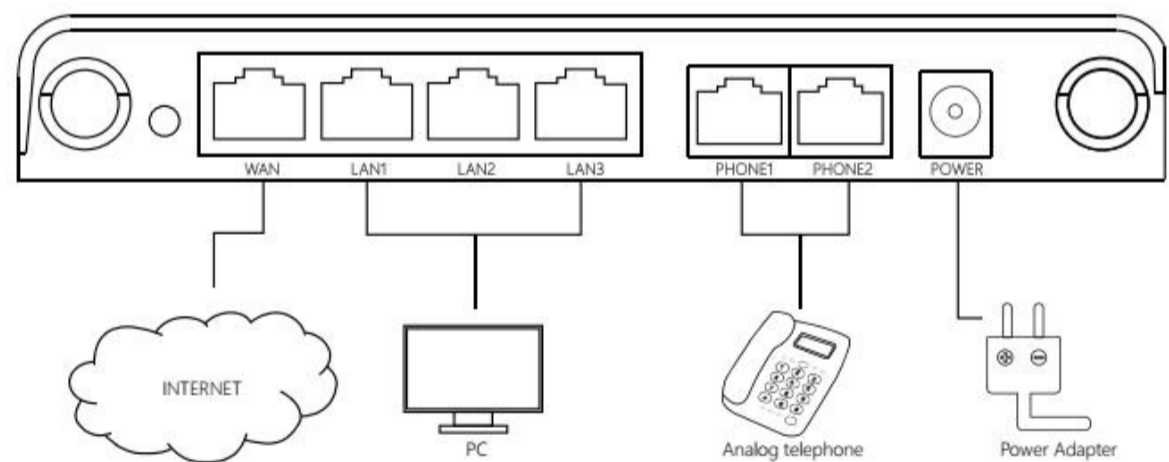
- Support QoS
- 10/100Mbps Ethernet
- Support 2.4GHz 300Mbps Wi-Fi
- Real-time IP fax, T.38 and T.30

## Overview

The Flyingvoice powerful VoIP Wireless Router FWR8102, which has two FXS ports, three LAN ports and one WAN port, is a wireless router with embedded VoIP ATA functions. This product will not only allow you to make ATA call using your broadband connection, but also it provides Wi-Fi router function, make you enjoy easy network atmosphere. What's more, FWR8102 support T.38 real time FAX and T.30 Fax with G.711. The FWR8102 VoIP Wireless Router is a stand-alone device, which requires no PC to make Internet calls. This product guarantees clear and reliable voice on Internet, which is fully compatible with SIP

industry standard and able to inter operate with many other SIP devices and software on the market. FWR8102 is not only provide the high quality of voice communications and wired Internet share capabilities but also offer access (AP) function for daily wireless communication. With advanced router, FWR8102 is able to make calls via SIP proxy voice communications, plus the IP sharing, And the QoS mechanism.

## Hardware Interface



# Technical Parameters

VoIP SoC	<ul style="list-style-type: none"> <li>• CPU:MIPS Single-core 580MHz</li> </ul>
Flash	<ul style="list-style-type: none"> <li>• 16MB Flash</li> </ul>
RAM	<ul style="list-style-type: none"> <li>• 64MB DDR3 RAM</li> </ul>
Power	<ul style="list-style-type: none"> <li>• AC/DC Adapter</li> <li>AC Input: 100~240V, 50~60Hz</li> <li>DC Output: 12V, 1A</li> </ul>
Operating System	<ul style="list-style-type: none"> <li>• Linux 2. 6. 36</li> </ul>
I/O Interfaces	<ul style="list-style-type: none"> <li>• 1 RJ-45 for WAN Port (Ethernet 100 Base-T)</li> <li>• 3 RJ-45 for LAN Ports (Ethernet 100 Base-T)</li> <li>• 2 RJ-11 for FXS Ports</li> <li>• IEEE802. 11 b/g/n</li> </ul>
Environmental	<ul style="list-style-type: none"> <li>• Operation Temperature: 0~50 Degree C</li> <li>• Storage Temperature: -25~ 85 Degree C</li> <li>• Relative Humidity: 10%~90% No Condensing</li> </ul>
Audio Codec	<ul style="list-style-type: none"> <li>• G. 711 (A/u), PESQ&gt;4. 3</li> <li>• G. 729AB, PESQ&gt;3. 7</li> <li>• Adaptive Jitter Buffer Management</li> <li>• Voice Activity Detection</li> <li>• Comfort Noise Generation</li> <li>• Echo Cancellation</li> <li>• T. 30 FAX with G. 711</li> <li>• Real time FAX over IP via T. 38</li> </ul>
Feature Keys	<ul style="list-style-type: none"> <li>• 2T2R 2. 4G 802. 11 b/g/n(300 Mbps)</li> <li>• Support VoIP FXS port with SIP and T. 38 FAX</li> </ul>
Protocols	<ul style="list-style-type: none"> <li>• SIP V2.0 (RFC 3261, 3262, 3263, 3264)</li> <li>• Backward compatible with RFC2543</li> <li>• Session timer (RFC4028)</li> <li>• SDP (RFC2327)</li> <li>• RTP/RTCP (RFC823/903)</li> <li>• NAPTR for SIP URI lookup (RFC2915)</li> <li>• STUN (RFC2030)</li> <li>• ARP/RARP (RFC 826/903)</li> <li>• SNTP (RFC 2030)</li> <li>• DHCP/PPPoE</li> <li>• HTTP Server for Web Management</li> <li>• TFTP/HTTP for Auto Provisioning</li> <li>• Message Waiting Indicator (RFC3842)</li> <li>• DHCP Option Codes for SIP (RFC3361)</li> <li>• DNS/DNS SRV (RFC1706 and RFC 2782)</li> <li>• IEEE802. 1Q VLAN/802. 1p and IP DSCP</li> </ul>

- 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, IPSec) Passthrough
  - SNTP
  - IGMPv2
  - Firewall (SYN Flooding, IP Spoofing, Smurf Attack, Ping of Death, DoS)

- 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
  - 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

- 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

SIZE And Weight

- 187mm (L) x134mm (W) x24mm (H)
- 350g (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