

# VoIP Wireless Router with 1000M Ports

## FWR9601



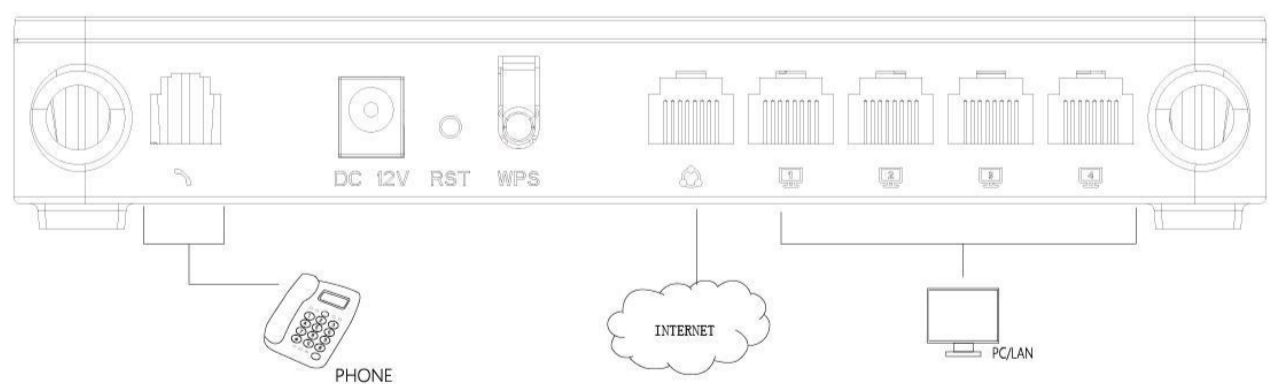
## Feature Keys

- Layer2/3QoS
- 10/100/1000Mbps Ethernet
- 1 FXS port
- Real-time IP fax, T.38 and T.30
- 802.11a/b/g/n/ac 2.4GHz&5GHz

## Overview

The Flyingvoice powerful VoIP Wireless Router FWR9601, This design not only provide users with a conventional VoIP and routing capabilities. Users can also take FWR9601 as a FTP server, to share LAN files, pictures and other resources. Meanwhile, FWR9601 VoIP wireless router is ideally suited for small and medium enterprises (SMB) to build wireless office. FWR9601 supports IEEE802.11ac gigabit wireless LAN standard, the highest wireless throughput in field test is up to 867Mbps and it supports both 2.4GHz and 5GHz bands.

## Hardware Interface



For VoIP end user, 5G band can make sure less interference and the transmission quality. The more, users can enjoy greater bandwidth, and enhanced data throughput. FWR9601 is the ideal choice for VoIP communication and integrates Internet sharing for daily application. It is a kind of advanced VoIP wireless router, can not only provides wired Internet sharing capabilities but also offers Access Point (AP) function for daily wireless communication.

# Technical Parameters

Chipset Solution	<ul style="list-style-type: none"> <li>• MT7621A, MT7612E, MT7603E</li> </ul>
Flash	<ul style="list-style-type: none"> <li>• 16MB Flash</li> </ul>
RAM	<ul style="list-style-type: none"> <li>• 64MB DDR2 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</li> </ul>
I/O Interfaces	<ul style="list-style-type: none"> <li>• 1 RJ-45 for WAN port (Ethernet 1000 Base-T)</li> <li>• 4 RJ-45 for LAN port (Ethernet 1000Base-T)</li> <li>• 1x FXS</li> <li>• Two 5dBi Antenna for IEEE802.11n 2T2R Wireless</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>• G. 722, G. 723, G. 726, iLBC</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>
Key Features	<ul style="list-style-type: none"> <li>• Hardware NAT (HNAT) engine with 1000Mbps NAT/NAPT speed</li> <li>• 2T2R 2.4G 802.11 b/g/n (300 Mbps)</li> <li>• 2T2R 5G 802.11ac (867 Mbps)</li> <li>• 2.4GHz and 5GHz should work simultaneously</li> <li>• Support VoIP FXS port with SIP and T. 38 FAX</li> </ul>
Wireless	<ul style="list-style-type: none"> <li>• TX Power           <ul style="list-style-type: none"> <li>15dBm @ 2.4GHz 11n MCS7 HT40M</li> <li>15dBm @ 5GHz 11ac MCS9 VHT80M</li> </ul> </li> <li>• RX Sensitive           <ul style="list-style-type: none"> <li>-70dBm @ 2.4GHz 11n MCS7 HT40</li> <li>-53dBm @ 5GHz 11ac MCS9 VHT80</li> </ul> </li> <li>• 4 SSID Per Radio</li> <li>• Static WEP (64/128bit)/Dynamic WEP (64/128bit)/AES (CCMP/TKIP)</li> <li>• MAC Certification</li> <li>• WEP/WPA-PAK/WPA-PSK (2.0)/WPA/WPA2</li> <li>• AP Isolation and MBSSID AP Isolation</li> <li>• WMM/WDS/WPS</li> <li>• Station list</li> <li>• Radius certification and billing</li> <li>• MAC Filter (different from wired MAC Filter)</li> </ul>

<p>Protocols</p>	<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>• 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>
<p>Applications</p>	<ul style="list-style-type: none"> <li>• Support NAT mode and Bridge mode</li> <li>• Support DDNS</li> <li>• MAC address cloning</li> <li>• SIP proxy redundancy</li> <li>• NAT Traversal by STUN</li> <li>• Built-in Wired speed NAT Router</li> <li>• DHCP Server and Client</li> <li>• IP conflict detection</li> <li>• Port Forwarding, DMZ, SuperDMZ</li> <li>• 802.1Q VLAN/802.1p, DSCP, Rate Limiting</li> <li>• VPN(PPTP, L2TP, IPSec) Passthrough</li> <li>• SNTP</li> <li>• IGMPv2, IGMPv3</li> <li>• ACL (Access Control List)</li> <li>• Broadcast Storm Control</li> <li>• Mac Filtering</li> <li>• Firewall (SYN Flooding, IP Spoofing, Smurf Attack, Ping of Death, DoS)</li> <li>• Ipv6 (Dual Stack)</li> <li>• MLDv1, MLDv2</li> </ul>
<p>Management</p>	<ul style="list-style-type: none"> <li>• Firmware Upgrade</li> <li>• Web Management Interface</li> <li>• IVR-driven Management Interface</li> <li>• Local and Remote Syslog (RFC3164)</li> <li>• Auto Provisioning</li> <li>• SNTP Time Synchronization</li> <li>• Multi User Level</li> <li>• SNMP v2.0</li> <li>• Telnet</li> <li>• TR069</li> <li>• System Log: local log and remote log</li> <li>• Support Flying FCMS Cloud Management</li> </ul>

Call Features	<ul style="list-style-type: none"> <li>• 3-way conference</li> <li>• Call hold</li> <li>• Call forwarding</li> <li>• Call Transfer</li> <li>• Call waiting</li> <li>• Caller ID and CWCID</li> <li>• DTMF Relay: In-band, Out-band and SIP INFO</li> <li>• QoS Layer 3</li> <li>• Call Log</li> <li>• CID/CWCID</li> <li>• Dial Plan</li> <li>• DTMF Mode: Inband, outband and SIP Info</li> </ul>
Regulatory	<ul style="list-style-type: none"> <li>• FCC Part 15 Class B approval</li> <li>• CE certification</li> </ul>

## Place Order

Product Number	Description
FWR9600C	1 WAN (GE) +4 LAN (GE) +2. 4G (300Mbps) +5G (867Mbps) +WPS
FWR9601	1 WAN (GE) +4 LAN (GE) +2. 4G (300Mbps) +5G (867Mbps) +WPS+1 FXS