



W200/W110 Wireless Router+ VoIP

A combination of Wireless router and VoIP for Home/SOHO user!



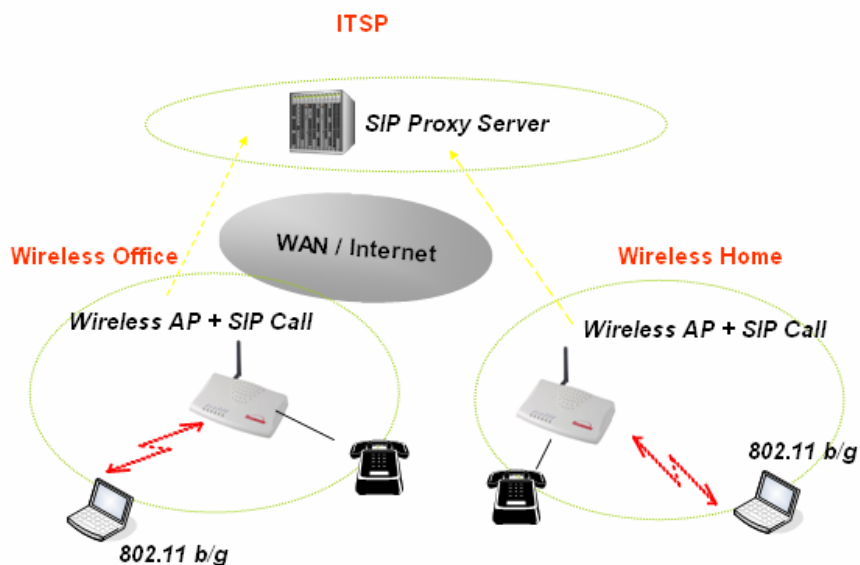
It's Not Only Wireless

The Soundwin W200/W110 is high performance Wireless Router + VoIP gateway that provides small and medium-size offices with faster wireless internet access and VoIP service. With a built-in IEEE 802.11b/g wireless AP, the W200/W110 offers maximum mobility via 54Mbps data transmissions.

The W200/W110 supports standard SIP (RFC3261), which is suitable for IP telephony service deployment to fulfill connection to emerging SIP-based networks. Based on the ITSP VoIP service, two/one SIP accounts can be configured.

Application Scenario:

The following application was use in ITSP as an example:



Wireless LAN:

- ☑ Complies with 802.11g and 802.11b (2.4GHz) Standards
- ☑ Data Rates up to 54Mbps
- ☑ Support WEP, WPA data encryption to secure wireless connection
- ☑ Both Support Wireless Access Point Mode and Wireless Client Mode

• **Telephony Specification:**

- ☒ Voice Codec: iLBC (internet Low Bitrate Codec), G.711(A-law / μ -law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps), G.276 (16,24,32,40 Kbps)
- ☒ FAX support : T.38 FAX Relay, G.711 Fax pass-through
- ☒ Call Waiting
- ☒ Call Hold/Resume
- ☒ Call Transfer: Blind Transfer / Attended Transfer
- ☒ Call Forward: On Busy Forward / No Condition forward / No Answer Forward
- ☒ Call Screen: Incoming Call Screen (Reject or Forward Incoming Call) / Outgoing Call Screen (Blocking Outgoing Call)
- ☒ Multi-Line Appearance
- ☒ DTMF Relay : In-band DTMF Relay / Out-of-band DTMF Relay (RFC2833)
- ☒ 3-Way Conference
- ☒ Peer-to-Peer SIP Call by Dial Plan

• **IP Specifications:**

- ☒ SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833), Outbound Proxy Support
- ☒ LAN :NAT, DHCP Server
- ☒ WAN: PPPoE client, DHCP client, Fix IP Address
- ☒ Network Address Translation: Providing build-in NAT router function.
- ☒ Static Routing
- ☒ Virtual Server
- ☒ QoS : IP TOS (IP Precedence) / DiffServ
- ☒ Peer to Peer Call by Dial Plan

• **Call Features**

- ☒ Adjustable volume : - 9 db ~ 9 db
- ☒ VAD (Voice Activity Detection)
- ☒ Dynamic Jitter Buffer
- ☒ CNG (Comfort Noise Generation)
- ☒ Lost Packet Concealment
- ☒ Caller ID Generation: DTMF CID / Bellcore CID / ETSI CID / NTT CID Generation

• **Firewall Security**

- ☒ Stateful Packet Inspection
- ☒ DoS attack defection
- ☒ Access Control Service
- ☒ Content Filtering
- ☒ IP & Generic Packet Filtering
- ☒ Real-time Attack Alert and Logs
- ☒ DMZ Interface for Public Server

• **Configuration & Management**

- ☒ Web-based Graphical User Interface
- ☒ Remote management over the IP Network
- ☒ Web-based firmware upgrade
- ☒ Backup and Restore Configuration file
- ☒ Auto Provision
- ☒ SNMP v1/v2

General Specification

- ☒ AC power : AC100V-240V, DC12V/1.5A,50/60 Hz
- ☒ Temperature: 0°C ~ 40°C (Operation)
- ☒ Humidity: up to 90% non-condensing
- ☒ Antenna : Reverse connector (RP-SMA) with a detachable
- ☒ Emission: FCC Part 15 Class B, CE Mark
- ☒ Dimension : 170 x 100 x 35 mm
- ☒ Weight: 200g

W200g/W110g Series Wireless Router + VoIP

	W200	W110
<i>Ethernet Port</i>	1 WAN + 1LAN	1 WAN + 1LAN
<i>Telephony Interface</i>	2x RJ-11	2x RJ-11
<i>Wireless Module</i>	802.11 b/g	802.11 b/g
<i>Antenna</i>	One Internal Inverted-F PCB antenna and one external dipole antenna	
<i>FXS</i>	2	1
<i>PSTN Line</i>		1
<i>SIP(RFC3261)</i>	✓	✓
<i>Qos</i>	✓	✓
<i>NAT Traversal</i>	✓	✓
<i>Echo Cancellation</i>	✓	✓
<i>G.711 a/μ law</i> <i>G.723, G729,</i> <i>G.726,iLBC</i>	✓	✓
<i>T.38 / G.711 Fax Pass Through</i>	✓	✓
<i>NAT Router</i>	✓	✓

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