

ADSL2+ Wireless-G VoIP Router



- ❖ Call Free for long distance or international calls
- ❖ Integrated ADSL 2+ Modem / Router with VoIP functions
- ❖ Up to 54Mbps data rates for wireless data rates

AWVR11 ADSL2+ Wireless-G VoIP Router with 1 FXO, 1FXS port

Features

- Compliant with IEEE 802.3, 802.3u 10/100M Ethernet standard and IEEE 802.11b/g Wireless standards
- ANSI T1.413 Issue 2, ITU-T G.992.1(G.dmt) and G.992.2 (G.lite) compliant for Annex A, B, ITU-T G.992.3, G.992.4 for ADSL2, ITU-T G.992.5 for ADSL2+
- Supports downstream rates at up to 24Mbps and upstream rates at up to 2Mbps
- PPPoA (RFC2364), PPPoE (RFC2516), classical IPOA (RFC1577), multiple protocol over AAL5 (RFC1483, RFC2684), DHCP client mode support
- PSTN Backup support through Hardware Relay—applicable when power is down or when WAN interface is down
- Supports Local PSTN call transfer to VoIP call or VoIP call transfer to local PSTN call
- Selective PSTN / VoIP voice communications
- Supports SIP 3261 (Radvision SIP stack), TCP/UDP/IP, RTP/RTCP, HTTP, ICMP, ARP, DNS, and DHCP
- Interoperable with various third party SIP end user devices, e.g., Proxy/Registrar/Server, and gateway products
- Supports popular voice-coders including G.711 (A-law and μ -law), G.723.1, G.726 and G.729A/B
- Supports standard voice features such as Caller ID, Consultation Hold, Call Waiting, Blind Call Transfer, Attended Call Transfer, Call Forwarding, Mid-Call DTMF (only using RTP) and 3-Way Conferencing
- Supports Silence Suppression, VAD (Voice Activity Detection), CNG (Comfort Noise Generation), and Line Echo Cancellation (G.168)
- Provides easy configuration through a web interface and limited configuration through the handset dial-pad
- Standards-based implementation (ITU-T, IETF compliant)

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Specifications

ADSL Features

- Supports DMT modulation and demodulation
- Support ITU-T G.992.1 G.992.3, G.992.4, G.992.5 Annex A & T1.413 Issue 2 for Annex A, B
- ETSI TS 101 388 / DTS TM-06006 for Annex B
- Supports ITU-T G.992.1 (G.dmt) Annex B – Deutsch Telecom / U-R2 for Annex B (U-R2)
- G.992.1 (G.dmt) : Downstream and upstream data rates up to 8Mbps and 1Mbps
- G.992.2 (G.Lite) : Downstream and upstream data rates up to 1.5Mbps and 512Kbps
- G.992.3 / G.992.4 (ADSL2) : Downstream and upstream data rates up to 12Mbps and 1Mbps
- G.992.5 (ADSL2+) : Downstream and upstream data rates up to 24Mbps and 2Mbps

Standard

- IEEE 802.3 / 802.3u 10/100M Ethernet Standard
- IEEE 802.11g/b Wireless Standard
- SIP v1(RFC2543), v2(RFC 3261)
- Voice codec : G.711(A-law, μ -law), G.723.1, G.726, G.729A/B

Physical Interface

- 10/100Mbps Ethernet, RJ45 x 4
- RJ11 Port for ADSL Line x 1
- RJ11 FXS Port for Phone x 1
- RJ11 FXO Port for PSTN x 1
- Power DC 9V, 1.5A

Router Feature

- NAT
- PPPoE Client
- DHCP Server / Client
- DDNS

Voice Feature

- Voice codec
 - G.711 : 64k bit/s (PCM)
 - G.723 : 6.3k / 5.3k bit/s
 - G.726 : 16k / 24k / 32k / 40k bit/s (ADPCM)
 - G.729A : 8k bit/s (CS-ACELP)
 - G.729B : adds AD & CNG to G.729
- Supports silence Suppression, VAD(Voice activity detection), CNG (Comfortable noise generator) and LEC (Line echo canceller)
- Supports Packet Loss Compensation

PSTN Backup

- Supports PSTN Backup

Security

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC2069/RFC2617)

Led indicator

- Phone, Line, Wireless, Ethernet and power indicator

Call Function

- Call ID , Call Waiting Caller ID, Consultation Hold , Blink Transfer , Attended Transfer , 3-Way Conferencing , Call Waiting, Call Forwarding , Call Return , IP Dialing , Speed Dialing

FXO Feature

- Support auto-attendant (Tone or voice greeting)
- PSTN polarity reversal detection
- Provide 2nd dial tone to PSTN
- Disconnect tone detection

Wireless Features

- Support IEEE 802.11g, 802.11b Wireless Access Point
- Support 128-Bit and 64-Bit WEP encryption, WPA-PSK
- Data rate : Up to 54Mbps
- Transmit Power : 15 dBm
- Receive Sensitivity : 11Mbps : -80dBm / 54Mbps : -65dBm

Temperature

- 32~122°F (0 ~50°C)

Humidity

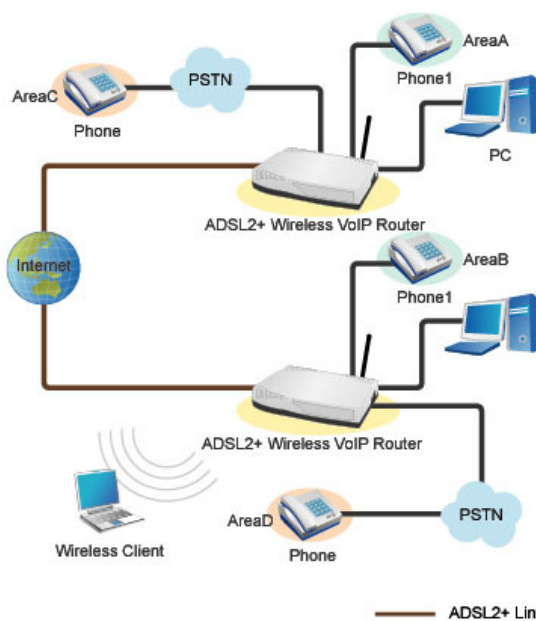
- Max. 95% (Non-Condensing)

Regulatory Approvals

- FCC, CE

Application:

- AreaA(Phone1) ↔ AreaB(Phone1) - Call Free
- AreaC(Phone) ↔ AreaB(Phone1) - Local fee for international call
- Overseas Branch office application
- AreaD(Phone) ↔ AreaC(Phone) - Both sides are local phone expense via VoIP (saving international call expense)



FCC CE

ACEEX

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