

Wireless Analog Telephone Adapter



Combining the cutting edge of Internet telephony and ATA manufacturing experience, PLANET now introduces the latest member of PLANET Wireless family: the VIP-161W.

To bring the most satisfaction to customers, the VIP-161W, not only provides the high quality of voice communications and wired Internet sharing capabilities but also offers Access Point (AP) function for daily wireless communication. With advanced router and VoIP DSP processor technology, the VIP-161W is able to make calls via SIP proxy voice communications, plus the IP sharing, and the QoS mechanism.

The VIP-161W is the ideal choice for Voice over IP communication and integrates Internet sharing for the daily tasks. To give most flexibility to users, the Wireless ATA provides a direct analog interface for PSTN, fax machine, and analog telephones. Users can not only make the daily VoIP communication but also enjoy the convenience brought by VoIP communications.

The VIP-161W equipped with two telephony interfaces, so users may switch between VoIP and PSTN to maintain the regularity of daily voice communications. VIP-161W can be the bridge between traditional analog telephones and IP network with an extremely affordable investment.

The VIP-161W includes two Ethernet interface for Internet (PPPoE, DHCP or Fixed IP) or office LAN connection. The dual Ethernet design brings the greatest convenience when deploying VoIP network. With a built-in IEEE 802.11b/g wireless AP/CPE, the Wi-Fi ATA offers wireless connectivity via 54Mbps data transmissions.

KEY FEATURE

Product Features

- IEEE 802.11b/g compliant
- Multi-mode: AP, AP-Client Mode
- Smart QoS mechanism to ensure the voice quality
- Auto-config feature for flexible, ease-of use system integration
- NAT Router, Static Routing, Virtual Server, DMZ
- Smart QoS mechanism to ensure the voice quality
- IP ToS (IP Precedence) / DiffServ
- PSTN lifeline for emergency calls

VoIP Features

- SIP 2.0 (RFC3261) compliant
- Selective PSTN / VoIP voice communications
- Voice codec support: G.711, G.729 AB, G.723, G.276
- T.38 FAX transmission over IP network (G.711 Fax pass-through)
- In-band and out-of-band DTMF Relay (RFC 2833)
- Three-way conference calls
- Call Waiting / Forward / Transfer / Hold / Resume / Screen
- Caller ID Detection/Generation: DTMF, Bellcore, ETSI, NTT
- Voice processing: VAD, CNG, Dynamic Jitter Buffer, G.168~2000 echo cancellation

SPECIFICATION

Product **Wireless Analog Telephone Adapter**

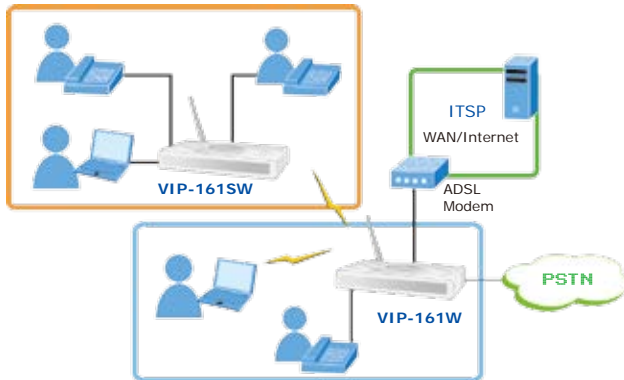
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|------------------------------------|--|
| Model | VIP-161W |
| Hardware | |
| WLAN Standards | IEEE 802.11 b/g |
| Wireless Frequency Range | 2.4GHz ~ 2.4835 GHz |
| Security | 64/128 bit WEP data encryption, WPA, WPA-PSK, WPA2, WPA2-PSK, WPA/WPA2 mix mode, WPAPSK/WPA2PSK mix mode |
| Operating Frequencies / Channel | USA / Canada: 2.412 GHz – 2.426 GHz (11 channels) Europe: 2.412 GHz – 2.472 GHz (13 channels) Japan: 2.412 GHz – 2.477 GHz (14 channels) |
| Data Rate | 802.11b: CCK (11Mbps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) 802.11g: OFDM (54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps) |
| Wireless Signal Range* | Indoors: Up to 230 ft (70 meters), Outdoors: Up to 1050 ft (320 meters) |
| WAN | 1 x 10/100 Base-TX RJ-45 port |
| LAN | 1 x 10/100 Base-TX RJ-45 port |
| FXS (for Telephone Set Connection) | 1 x RJ-11 connection |
| PSTN | 1 x RJ-11 connection |
| Protocols and Standard | |
| Standard | SIP 2.0 (RFC3261), SDP (RFC 2327), Symmetric RTP, STUN (RFC 3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833), Outbound Proxy Support, uPnP (UPnPPTM) |
| Voice 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 (G.711 Fax pass-through) |
| Voice Standard | VAD (Voice Activity Detection), CNG (Comfort Noise Generation), G.165~2000: LEC (Line Echo Celler) Dynamic Jitter Buffer, In-band and out-of-band DTMF Relay (RFC 2833), Caller ID Detection / Generation: DTMF, Bellcore, ETSI, NTT |
| Protocols | SIP 2.0 (RFC-3261), TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, PPP, PPPoE |
| Internet Features | NAT router, DHCP server, Static routing, Virtual server, Virtual DMZ, Smart QoS, IP ToS (IP Precedence) / DiffServ |
| Network and Configuration | |
| Access Mode | Static IP, PPPoE, DHCP |
| Management | Web-based graphical user interface |
| Dimension (W x D x H) | 180 mm x 110 mm x 25 mm |
| Operating Environment | 0~40 degree C, 10~90% humidity |
| Power Requirement | 12V DC |
| EMC / EMI | CE, FCC Part 15 Class B |

* Signal Range depends on the used antenna

**T.38 support is dependent on fax machine, SIP provider and network /transport resilience

APPLICATIONS

VIP-161W VoIP and PSTN communications



ORDERING INFORMATION

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| VIP-161W | Wireless Analog Telephone Adapter (1 x WAN, 1 x LAN, 1 x FXS, 1 x PSTN, life-line support) |
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