Wireless Analog Telephone Adapter

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

To bring the most satisfaction to customers, the VIP-161SW 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-161SW is able to make calls via SIP proxy voice communications plus the IP sharing and the QoS mechanism.

The VIP-161SW 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 direct analog interface for fax machine and analog telephones. Users can not only make the daily VoIP communication but also enjoy the convenience brought by FoIP communications.

With the VIP-161SW, home users and companies are able to save the cost of installation and extend their previous investments in telephones, conferences and speakerphones. The VIP-161SW equipped with two telephony interfaces, so users may register to different SIP proxy servers and establish up to 2 concurrent VoIP calls for more flexibility in the voice communications. The VIP-161SW can be the bridge between traditional analog telephones and IP network with an extremely affordable investment.

The VIP-161SW 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

VoIP Features

- SIP 2.0 (RFC3261) compliant
- Up to 2 concurrent VoIP calls
- 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

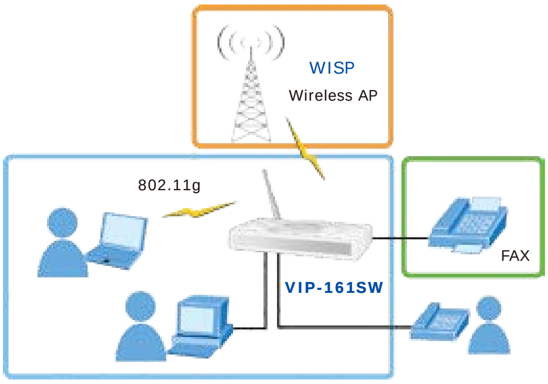
Specification

Product	Wireless Analog Telephone Adapter
Model	VIP-161SW
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)	2 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 (UPnPTM)
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 Canceller), 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 Precedance) / 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-161SW communications



Ordering Information

VIP-161SW	Wireless Analog Telephone Adapter (1 x WAN, 1 x LAN, 2 x FXS)

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09-07 C-VIP161SW-1