

802.3af PoE SIP Analog Telephone Adapter



PLANET VoIP Analog Telephony Adapter with PoE

PLANET VIP-156PE, an easy-to-use-and-install PoE Analog Telephone Adapter, provides the same voice quality and reliability that users have come to expect from PLANET ATAs.

The VIP-156PE is a 1-port Analog Telephone Adapter which allows you to use your existing analog phones or fax machines to make calls via the internet. The VIP-156PE supports T.38 fax and works with most SIP-based Internet service providers (ISPs). It's a great choice for voice service providers because it is completely customized **auto-provisioning** and **autoupdate**. If you want to have the world's leading VoIP service, you need to have the world's leading VoIP device!

Cost-effective, easy-to-install and simple-to-use, the VIP-156PE converts standard telephones to IP-based networks. With the **802.3af/at PoE** integration, the service providers and enterprises offer users traditional and enhanced telephony communication services via the existing broadband connection to the Internet or corporation network.



Telecoms and Business IP Telephony Application The VIP-156PE includes two Ethernet interfaces for Internet (PPPoE, DHCP or fixed IP), or office LAN connection. Besides the **IPv6**, **VPN** (PPTP and L2TP), **VLAN** and **PLANET Easy Dynamic DNS** features, the VIP-156PE is an intelligent low-density Voice over IP (VoIP) gateway that enables carrier-class residential and business IP telephony services to be delivered over broadband or high-speed Internet connections to two standard RJ11 telephones. The 10/100 LAN port allows internet connectivity to be extended to a second device eliminating the need for a second Ethernet drop.

Product features

- Feature-rich telephone service over home or office Internet/ Intranet connection
- 802.3af/at PoE and auto-provisioning features for flexible, ease-of use IP PBX system integration
- Voice prompt for machine configurations
- Quick Setup Wizard for easy configuration
- Easy access with PLANET Dynamic DNS
- Cost effective, field proven compatibility and stability

VoIP Features

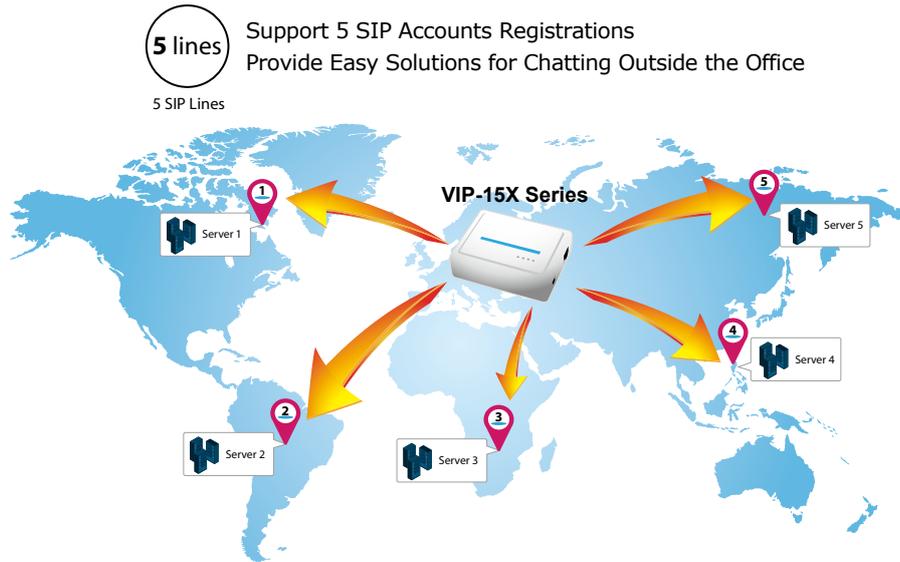
- IETF SIP 2.0 (RFC3261) compliant
- Supports SIP Outbound proxy, STUN (RFC 3489)
- Up to 5 Proxy server registrations
- Peer-to-Peer/SIP proxy (IP PBX) calls
- T.38 fax transmission over IP network
- Call Hold/Forward/Transfer/Waiting
- Local Phone book (Export/Upload)
- In band and out-of-band DTMF support
- Voice codec support: G.711, G.723, G.726, G.729
- Voice processing: Voice Active Detection, DTMF detection/generation, G.168 echo cancellation (16mSec.), comfort noise generation

Management

- Auto-provisioning/auto update support (FTPP, HTTP, FTP)
- IPv6 management support
- Remote administrator authentication
- Web-based and telephone keypad machine configuration
- TR-069/VPN connection/VLAN support
- DMZ and MAC clone
- Virtual Server/QoS support

Calls from your VIP-156PE to any other device on any VIP-156PE device anywhere in the world are always free! The VIP-156PE allows you to use your analog devices with any SIP trunking provider. Simply plug the Analog Telephone Adapter into your broadband router and then plug your analog devices into the ATA. The VIP-156PE can also connect to your broadband router and to another IP device such as PC. The 2-port RJ45 router has integrated **QoS** to ensure your voice traffic is prioritized above other types of traffic. It will support up to **5 VoIP services or SIP accounts**.

When co-working with a SIP service provider, you can enjoy the value-added features such as message waiting indication (MWI), hotline, three-way conferencing, caller ID, call forward (always, busy and no answer), call waiting, Do Not Disturb (DND), dial plan and phone book. The VIP-156PE can be seamlessly integrated into the telephony network built by our IP PBX system series. The VIP-156PE and PLANET IP PBX System (IPX-330/IPX-2100/IPX-2200/IPX-2500) are the ideal combination for your office daily communications.



Compliant with IETF SIP 2.0

SIP service continues to gain popularity among businesses as the preferred protocol for enhancing communication across IP networks. The VIP-156PE supports **Session Initiation Protocol 2.0 (RFC 3261)**, **STUN** and **Outbound Proxy** for easy integration with general voice over IP system. The VIP-156PE is able to broadly interoperated with equipment provided by VoIP infrastructure providers, thus enabling them to provide their customers with better voice over IP services.

Compliant with Standard SIP RFC 3261



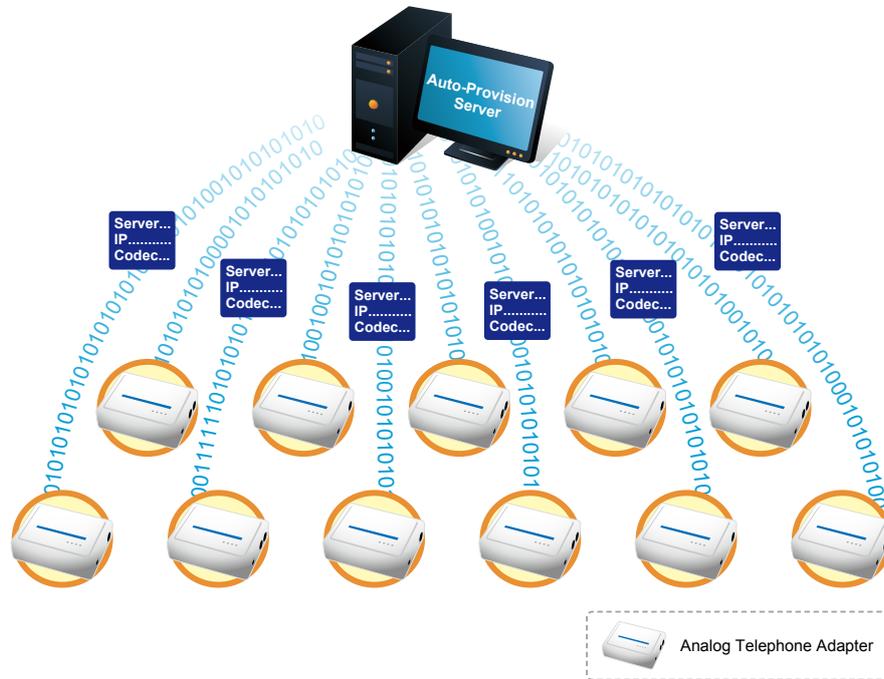
Convenient Design Brings Quality Communication

Based on years of VoIP manufacturing experiences, PLANET VoIP total solutions are known as advanced implementation of standard-based telephony along with mass deployment capability.

The VIP-156PE is the fastest deployment ready ATA with auto-provision at the lowest cost. The VIP-156PE can be deployed directly to customers, automatically redirect to your provisioning server or you can use the **TR069** ITSP portal for target profiles.

With the VIP-156PE, enterprises are able to save the installation cost and extend their previous investments in telephones, conference and speakerphones. The VIP-156PE acts as the bridge between the traditional analog systems and the IP network with an extremely affordable investment.

Auto Provision - Synchronize Configuration



Applications

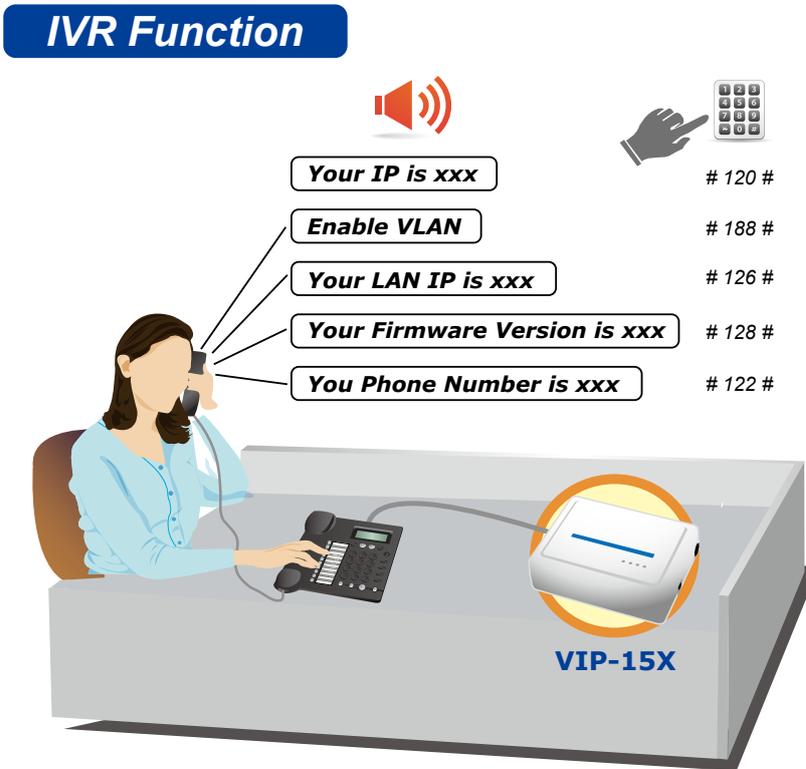
Enhanced, Full-Featured Analog Telephone Adapter

The VIP-156PE is optimized for executive use for administrative assistants and those who work with bandwidth-intensive application on collocated PCs. Four programmable extension keys could be configured as IP PBX features like, MWI, DND, Call Forward, Call Park, etc.



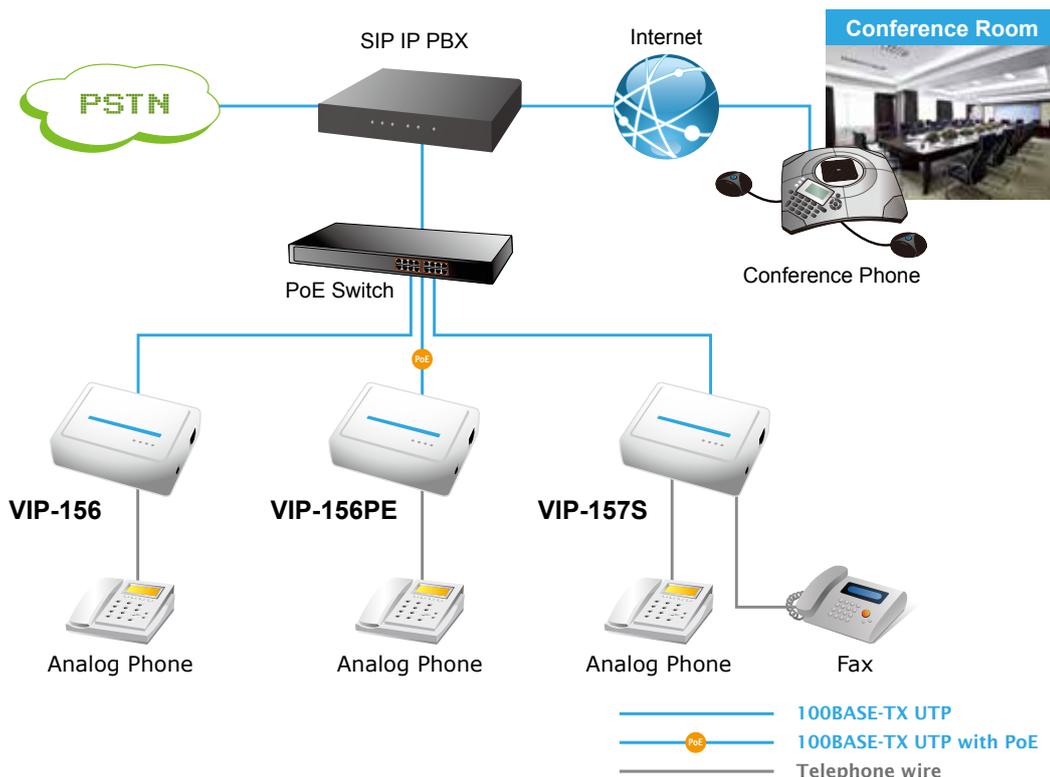
IVR Function to Easily Identify and Manage the ATA

Through the Interactive voice response (IVR) function, users can simply press the function keys to search for device information or to program the phone feature, e.g., #120 to check the LAN IP address, and #112 + xxx*xxx*xxx*xxx# to assign the LAN IP address.



Enterprise IP Telephony Deployment of VIP-156PE

The VIP-156PE comes with exceptional audio quality and user-friendly features. The installation and configuration of the IP phone are easier than those of the traditional phone system. Its low cost and high-definition voice quality makes the VIP-156PE the most economical but high-quality IP telephony. Compliant with the standard SIP 2.0, it is compatible with all the standard SIP-based servers.



Specifications

Model	VIP-156PE
Hardware	
LAN	1 x 10/100Mbps RJ45 port (802.3af PoE)
PC	1 x 10/100Mbps RJ45 port
FXS	1 x RJ11 connection
Protocols and Standard	
Standard	SIP 2.0 (RFC3261), SIP Outbound proxy, STUN (RFC 3489)
Voice Codec	G.711 u-law/a-law, G.723 (6.3k/5.3k), G.726, G.729
Fax Support	T.38, G.711 pass-through
Voice Standard	Voice activity detection (VAD) Comfort noise generation (CNG) Acoustic echo canceller (AEC) G.165: Line echo canceller (LEC) Jitter buffer
Protocols	SIP 2.0 (RFC-3261), IPv4/IPv6 TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, PPP, PPPoE, VLAN, VPN(PPTP & L2TP), TR069
Network and Configuration	
Access Mode	Static IP, PPPoE, DHCP
Management	Web, keypad
Dimensions (W x D x H)	94 x 72 x 25 mm
Operating Environment	0~50 degrees C, 10~95% humidity
Power Requirement	12V DC / 802.3af PoE
EMC/EMI	CE, FCC Class B

Ordering Information

VIP-156PE	SIP Telephone Adapter (1 x LAN, 1 x PC, 1 x RJ11, 802.3af PoE)
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Related Products

VIP-156	SIP Analog Telephone Adapter (1 x LAN, 1 x PC, 1 x RJ11)
VIP-157S	2 FXS Analog Telephone Adapter (1 x LAN, 1 x PC, 2 x RJ11)