Power over Ethernet SIP IP Phone

Meeting the next-generation Internet telephony service demands, PLANET Technology provides feature-rich, toll-quality Internet telephony service solutions. With 802.3af Power over Ethernet (PoE) LAN interface supported, the VIP-153PT is SIP 2.0 (RFC3261) compliant with SIP digest authentication supports. And the VIP-153T is the cost-effective SIP IP Phone.

The VIP-153T/VIP-153PT ("IP Phone" in the following term) features high-quality speakerphone technology, and includes an easy-to-use speaker on/off button and call hold/transfer buttons for various voice services. The IP Phone has additional features such as built-in PPPoE/DHCP clients, password-protected machine management, LCD menu display, speed-dial keys, hands-free speakerphone, last number redial, incoming message indicator, and user-intuitive web administration system.

The IP Phone is self-contained, service-integrated, intelligent phone features offering, and powerful voice processing power. The IP Phone can effortlessly deliver toll voice quality equivalent to the regular PSTN connections utilizing cutting-edge Quality of Service, echo cancellation, comfort noise generation (CNG) and voice compensation technology.
Meanwhile, the dual Ethernet interfaces on the IP Phone allow users to install in an existing network location without interfering with desktop PC network activities. When installing the VIP-153T/VIP-153PT, SIP IP Phone with IPX-2000 (PLANET IP PBX system), the VIP-153 series IP phones can be easily integrated in your office; via the auto-config support for IPX-2000. No expertise required building up the VoIP network deployment.

Besides, the VIP-153PT deliver more convenience, efficiency, innovation and benefits for VoIP in your daily life, the PoE interface and IP PBX shall replace your existing PBX system with more feature and saving more. The IP Phones are ideal solution for office/home use as well as installation for Internet Telephony Service Provider (ITSP) from leading vendors. It's the delivery platform for IP voice services that makes benefit from the VoIP technologies in your daily life.

KEY FEATURE

Simple Installation and administration
• Configuration of the IP Phone can be performed in minutes via the keypad, or web interfaces. Using the built-in LCD display, the IP Phone offers user-friendly configuration guidelines, machine operation status, call status displays, and incoming call identification.

IP PBX system integration
• Via auto-config support for IPX-2000, no expertise required to establish your office voice network. VIP-153T, and the VIP-153PT can help you to complete VoIP network deployment in minutes.

Feature-rich keypad IP Phone
• The IP Phone integrates a high-quality speakerphone with the Call Hold, Forward and Transfer functions and also provides advanced telephone features, such as 10 speed-dial keys, last number redial, incoming call history indicator in a much more convenient and functional manner than traditional telephone sets.

Dynamic IP address assignment, and voice communication
• The IP Phone can act as a PPPoE/DHCP client, automatically obtaining an IP address for Internet access.

Various field applications compliant
• The IP Phone is capable of handling both peer-to-peer and SIP proxy registration, authentication to interact with major SIP gateway/IP Phone in the market. The IP Phone offers the most flexibility and interoperability with PLANET and 3rd party VoIP vendors, allowing the deployment of both simple and complex VoIP networks such as ITSP, PC-to-Phone/Phone-to-PC or enterprise VoIP environments.
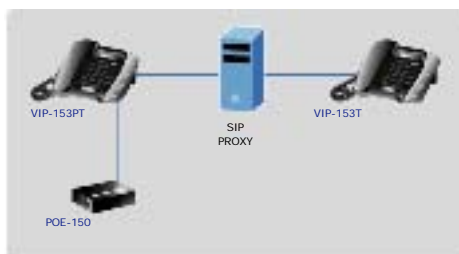
Standards compliant
• The VIP-153T / VIP-153PT complies with SIP 2.0 (RFC3261), interoperates with 3rd party SIP voice gateways/terminal/software as well as other PLANET VoIP products. Supported Voice codecs and VoIP technologies are: G.723, G.729ab, G.711u-law/a-law; Voice Activity Detection (VAD), and the Comfort Noise Generation (CNG).
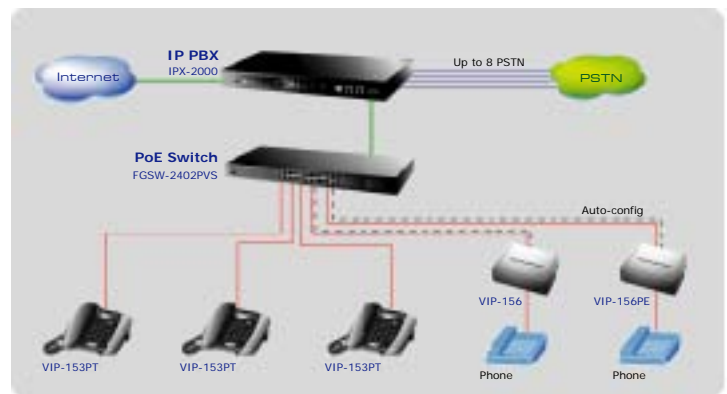
Data Sheet

SPECIFICATION

Product	SIP IP Phone	SIP PoE IP Phone
Model	VIP-153T	VIP-153PT
Hardware		
WAN	1 x 10/100Mbps RJ-45 port Power Over Ethernet 802.3af compliant at PT model	
PC	1 x 10/100Mbps RJ-45 port	
LCD display	2 x 16 characters	
Speaker	8 Ohm/0.2 Watt speaker for speakerphone operation	
Protocols and Standard		
Standard	SIP 2.0 (RFC3261), SIP digest authentication (MD5)	
Voice codec	G.723.1 (6.3k/5.3k), G.729A/B, G.711 (a-law/u-law)	
Voice Standard	Voice activity detection (VAD) Comfort noise generation (CNG) Dynamic Jitter Buffer	
Supplementary services	Immediate (unconditional) call forwarding Busy call forwarding No answer calls forwarding	
Call history	Call hold/transferring Record incoming call Outgoing call Missed (not accepted) call history	
Protocols	SIP 2.0 (RFC-3261), TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, FTP, PPP, PPPoE	
Network and Configuration		
Access Mode	Static IP, PPPoE, DHCP	
Management	Web, Keypad, auto-config by IPX-2000	
Dimension (W x D x H)	170 x 220 x 60 mm	
Operating Environment	0~40 degree C, 10~95% humidity	
Power Requirement	7V DC (802.3af 48VDC in line power at PT model)	
EMC/EMI	CE, FCC Class B	

APPLICATIONS

ITSP solution:

VIP-153PT (with PLANET POE-150 connection) - SIP proxy - VIP-153PT (with PLANET POE-150 connection)

IP PBX Integration

PLANET IP PBX IPX-2000 integration VIP-153PT (with PLANET POE-150 Power over Ethernet connection)

ORDERING INFORMATION

VIP-153PT	SIP PoE IP Phone (2 x RJ-45, 802.3af PoE)
VIP-153T	SIP IP Phone (2 x RJ-45)

Data Sheet

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