

# 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. The 802.3af Power over Ethernet (PoE) IP Phone-VIP-155PT brings cost-effective solution for voice communications and interoperates VoIP hardware and systems from major third party vendors with traditions of PLANET VoIP family. As a feature-rich IP Phone, the VIP-155PT fulfills your needs. The VIP-155PT is SIP 2.0 (RFC3261) compliant with SIP digest authentication supports. And the VIP-155PT is the cost-effective SIP PoE IP Phone.

The VIP-155PT feature high-quality speakerphone technology; also include an easy-to-use speaker on/off button and call hold/transfer buttons for various voice services. These features go beyond the conventional voice systems nowadays, and the PoE IP phones are cost-effective solution for Internet Telephony Service Provider (ITSPs) communications and interoperate VoIP hardware and systems from the major third party vendors with the traditions of PLANET VoIP family.

As feature-rich IP Phones, the VIP-155PT fulfill your needs. They are simple to use, and have additional features such as built-in PPPoE/DHCP clients, password-protected machine management, large LCD menu display, hands-free speakerphone, last number redial, incoming message indicator, and user-intuitive web administration system.

The VIP-155PT are self-contained, service-integrated IP phones - offers intelligent phone features, and powerful voice processing power. The VIP-155PT can effortlessly deliver toll voice quality equivalent to the regular PSTN connections utilizing cutting-edge Quality of Service, echo cancellation, comfort noise generation and voice compensation technology. Meanwhile, the dual Ethernet interfaces on the VIP-155PT allow users to install in an existing network location without interfering with desktop PC network connections. The new VIP-155PT deliver more convenience, efficiency, innovation and benefits of VoIP in your daily life.

## KEY FEATURE

### *Simple Installation and administration*

- Configuration of the VIP-155PT can be performed in minutes via the keypad, or web interfaces. Using the built-in LCD display, the VIP-155PT offers user-friendly configuration guidelines, machine operation status, call status displays, and incoming call identification.

### *Feature-rich keypad IP Phone*

- The VIP-155PT integrates a high-quality speakerphone with the Call Hold, Forward and Transfer functions and also provides advanced telephone features, such as 9 speed-dial keys, last number redial, incoming call history, Auto Answer indicator in a much more convenient and functional manner than traditional telephone sets.

### *Dynamic IP address assignment and voice communication*

- The VIP-155PT can act as a PPPoE/DHCP client, automatically obtaining an IP address for Internet access.

### *Various field applications compliant*

- The VIP-155PT 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 VIP-155PT 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*

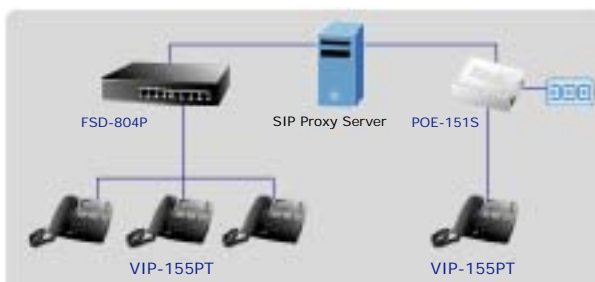
- The VIP-155PT complies with SIP 2.0 (RFC3261), interoperates with 3rd party SIP voice gateways/terminal/software as well as other PLANET VoIP products. Supported Voice codecs and VoIP technologies are: G.723, G.729ab, G.711u-law/a-law; Voice Activity Detection (VAD), and the Comfort Noise Generation (CNG).

### *NAT Optimization, Firewall policy packet filtering and QoS mechanism*

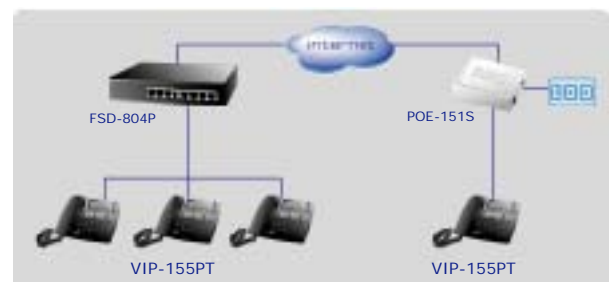
- The VIP-155PT provides user definable policy-based firewall protection, and a packet filtering mechanism to prevent business or residential network from malicious attacks or intrusion. The firewall policy offers VoIP administrators access control privilege choices to apply to LAN users to restrict Internet access or prevent improper use.

**SPECIFICATION**
**Product** Power over Ethernet SIP IP Phone

<b>Model</b>	VIP-155PT
<b>Hardware</b>	
<b>WAN</b>	1 x 10/100Mbps RJ-45 Port Power over Ethernet 802.3af compliant at PT model
<b>LAN</b>	1 x 10/100Mbps RJ-45 Port
<b>LCD display</b>	2 x 16 characters
<b>Speaker</b>	8 Ohm/0.2 Watt speaker for speakerphone operation
<b>Protocols and Standard</b>	
<b>Standard</b>	SIP 2.0 (RFC3261), SIP digest authentication (MD5)
<b>Voice codec</b>	G.723.1 (6.3k/5.3k), G.729, G.711 (a-law/u-law)
<b>NAT Traversal</b>	Outbound Proxy, STUN
<b>Voice Standard</b>	Voice Activity Detection (VAD) Comfort Noise Generation (CNG) Dynamic Jitter Buffer
<b>Supplementary Services</b>	Immediate (unconditional) call forwarding Busy call forwarding No answer calls forwarding Calls hold/transferring. Answer Machine 3-Way conference calls
<b>Call History</b>	Incoming call Outgoing call Missed (not accepted) call history Voice Record
<b>Protocols</b>	TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, FTP, PPP, PPPoE
<b>Network and Configuration</b>	
<b>Access Mode</b>	Static IP, PPPoE, DHCP
<b>Management</b>	Web, Keypad, Telnet
<b>Dimension (W x D x H)</b>	200 x 184 x 60 mm
<b>Operating Environment</b>	0~40 Degree C, 10~90% humidity
<b>Power Requirement</b>	12V DC (802.3af 48VDC in line power)
<b>EMC/EMI</b>	CE, FCC Class B

**APPLICATIONS**


SIP Proxy VIP-155PT communications over PoE (ITSP Solution)



Peer-to-Peer VIP-155PT communications over PoE (Home/SOHO Solution)

**ORDERING INFORMATION**

<b>VIP-155PT</b>	SIP PoE IP Phone (2 x RJ-45 , 802.3af PoE)
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