

SIP PoE 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) IP Phone – VIP-154PT. And the VIP-154PT is the cost-effective SIP PoE IP Phone; the VIP-154PT is SIP 2.0 (RFC3261) compliant with SIP digest authentication supports.

The VIP-154PT 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 VIP-154PT has additional features such as built-in PPPoE/DHCP clients, password-protected machine management, LCD menu display, speed-dial 3-way conference keys, hands-free speakerphone, last number redial, incoming message indicator, and user-intuitive web administration system.

The VIP-154PT is self-contained, service-integrated, intelligent phone features offering, and powerful voice processing power. The VIP-154PT 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.

Besides, the PoE SIP 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 VIP-154PT can be performed in minutes via the LCD menu keypad, telnet, or web interfaces. Using the built-in LCD display, the VIP-154PT 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. The VIP-154PT can help you to complete VoIP network deployment in minutes.

Feature-rich keypad IP Phone

- The VIP-154PT integrates a high-quality speakerphone with the Call Hold, Forward, Transfer and Waiting functions and also provides advanced telephone features, such as 4 speed-dial keys, 3-way conference key, 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 VIP-154PT can act as a PPPoE/DHCP client, automatically obtaining an IP address for Internet access.

Various field applications compliant

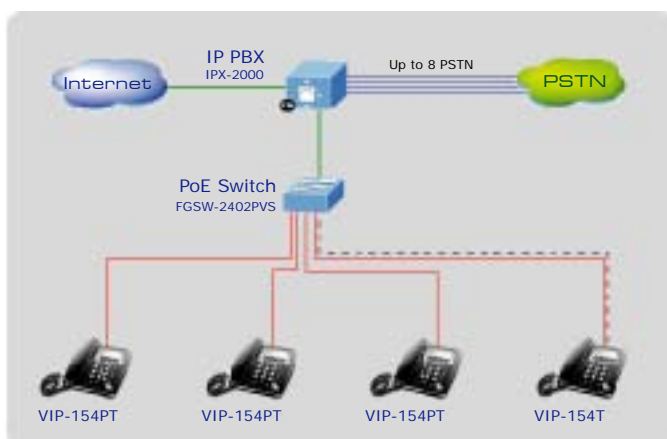
- The VIP-154PT is capable of handling peer-to-peer and SIP proxy / IP PBX registration, authentication to interact with major IP PBX / SIP gateway/IP Phone in the market. The PoE IP Phone offers the most flexibility and interoperability with PLANET and 3rd party VoIP vendors, allowing the deployment of both simple and complex VoIP networks such as ITSP, PC-to-Phone/Phone-to-PC or enterprise VoIP environments.

Standards compliant

- The VIP-154PT 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.711 u-law/a-law; Voice Activity Detection (VAD), and the Comfort Noise Generation (CNG).

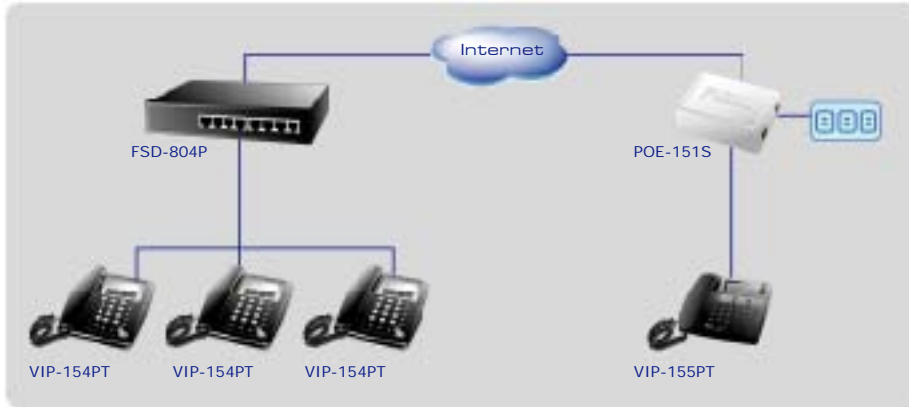
SPECIFICATION

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| Product | SIP PoE IP Phone |
| Model | VIP-154PT |
| Hardware | |
| LAN | 1 x 10/100Mbps RJ-45 Port (Power over Ethernet 802.3af compliant) |
| PC | 1 x 10/100Mbps RJ-45 Port |
| LCD display | 2 x 16 characters |
| Speaker | Full duplex hands free speaker phone |
| Protocols and Standard | |
| Standard | SIP 2.0 (RFC3261), MD5 for SIP authentication (RFC2069/ RFC 2617), SIP outbound proxy, SIP NAT Traversal Support STUN (RFC3489) |
| Voice Codec | G.711: 64k bit/s (PCM) G.723.1: 6.3k / 5.3k bit/s G.726: 16k / 24k / 32k / 40k bit/s (ADPCM) G.729A: 8k bit/s (CS-ACELP) G.729B: adds VAD & CNG to G.729 |
| Voice Standard | Voice activity detection (VAD) Comfort noise generation (CNG) Acoustic echo canceller (AEC) G.165: Line echo canceller (LEC) Jitter Buffer |
| Supplementary Services | Caller ID 3-way conference Immediate (unconditional) call forwarding Busy call forwarding No answer calls forwarding Call Hold, Waiting, Transferring |
| Call History | Record incoming call Outgoing call Missed (not accepted) call history |
| Protocols | SIP v1 (RFC2543), v2 (RFC3261), TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, RARP, DNS, DHCP, SNMP, PPPoE |
| Network and Configuration | |
| Access Mode | Static IP, PPPoE, DHCP |
| Management | Web, LCD menu keypad, Telnet, auto-config by IPX-2000, auto-provision by TFTP/FTP/HTTP |
| Dimension (W x D x H) | 170 x 220 x 60 mm |
| Operating Environment | 0~50 Degree C, 0~90% humidity |
| Power Requirement | 12V DC |
| EMC/EMI | CE, FCC Class B |

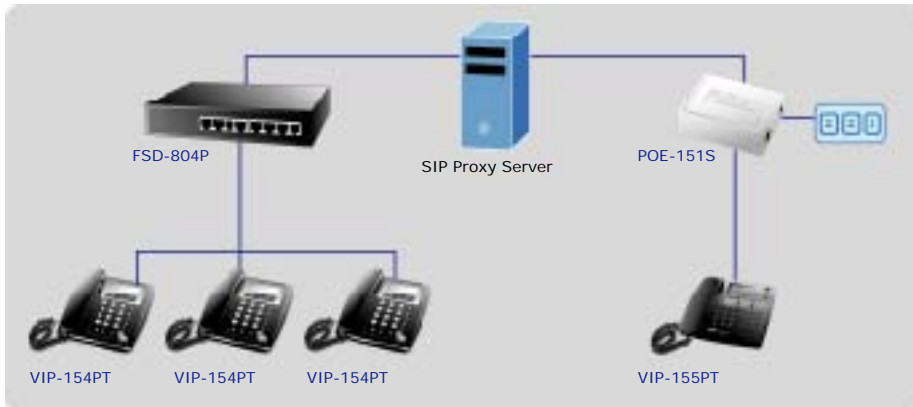
APPLICATIONS
VIP-154PT / IPX-2000 Integration


APPLICATIONS

Peer-to-Peer VIP-154PT Communications over PoE (Home/SOHO solution)



SIP Proxy VIP-154PT Communications over PoE (ITSP solution)



ORDERING INFORMATION

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| VIP-154PT | SIP PoE IP Phone (2 x RJ-45, 802.3af PoE) |
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