

## High Definition PoE IP Phone



### Cost-effective, High-performance PoE VoIP Phone

To build high-performance VoIP communications at a low cost, PLANET has integrated HD (high-definition) voice into a cost-effective SIP phone. It complies with IEEE 802.3af PoE interface for flexible deployment. The VIP-1010PT makes it simple for the enterprise featuring voice and data system or expanding voice system to new locations. It helps the company to save money on long-distance calls; for example, the remote workers can dial in through a Unified VoIP Communication System just like an extension call but no long-distance call charge would occur. The VIP-1010PT also allows call to be transferred to anyone at any location within the voice system, which enables the enterprise to communicate more effectively and is helpful to streamline business processes.



### High-quality HD VoIP Voice

The VIP-1010PT delivers HD voice which is the next generation of voice quality for telephony audio, making the quality of voice better than that (toll quality) of the standard digital telephony and even close to that of a room conversation. HD voice is transmitted in the audio frequency range of 50 Hz to 7 kHz or higher over telephone lines, resulting in higher quality voice and clearer communication.



### Highlights

- Supports SIP 2.0 (RFC3261)
- Supports 1 SIP voice line
- IEEE 802.3af Power over Ethernet compliant
- Supports HD voice
- LDAP/TR-069/SNMP

### Phone Features

- 1 line (supporting 1 SIP account)
- Supports call waiting, call forwarding, call transfer
- 3-way conferencing
- Call on hold, mute, auto-answer, redial
- Phonebook (500 groups), blacklist (100 groups), call logs (100 entries)
- 5 remote phone book URLs supported
- Keypad lock
- DND (Do Not Disturb)
- Volume adjustable, ring tones selectable
- Call pickup/group call pickup
- Speed dial
- Intercom
- Daylight saving
- Network packet capture
- Country ringtone signal
- Direct IP call
- Auto redial/hot desking
- Hotline/XML browser/action URL
- Multi-languages by default: English and Simplified Chinese

### IP PBX Feature

- HD voice
- Dial plan
- SMS, voicemail, MWI message notification
- Wideband codec: G.722
- Narrowband codec: G.711 (A-law and  $\mu$ -law), G.729, G.722, G723, G726
- VAD, CNG, echo canceller
- Full-duplex speakerphone

### Security Features

- Supports HTTPS (SSL)
- Supports SRTP for voice data encryption
- Supports login for administration
- SIP over TLS

**Standard Compliance**

The VIP-1010PT supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The VIP-1010PT is able to broadly interoperate with equipment provided by VoIP infrastructure providers, thus enabling them to provide their customers with better multi-media exchange services.

**Compliant with standard SIP RFC 3261**



**Network Features**

- SIP V1 (RFC2543), V2 (RFC3261)
- Static IP/DHCP for IP configuration
- 3 DTMF modes: In-band, RFC2833, SIP info
- HTTP/HTTPS Web server for management
- NTP for auto time setting

**Administration Features**

- Auto provisioning using FTP/TFTP/HTTP/HTTPS/PnP
- Dial through IP PBX using phone number
- Dial through IP PBX using URL address
- Configuration managements with Web, keypad on the phone and auto provisioning
- SNMP
- TR069

**Enhanced, Full-Featured Business IP Phone**

The VIP-1010PT is a full-featured, enhanced business IP phone that addresses the communication needs of the enterprises. It provides one voice line and dual 10/100Mbps Ethernet. Furthermore, the VIP-1010PT delivers user-friendly design containing a 132 x 64 graphic LCD with white backlight.

The VIP-1010PT supports all kinds of SIP-based phone features including LDAP, Call Waiting, Auto Answer, Music on Hold, Caller ID 3-way Conferencing, Call on Hold, Call Forwarding, Black List, DTMF Relay, In-Band, Out-of-Band (RFC 2833) and SIP Info, among others. Besides office use, the VIP-1010PT is also the ideal solution for VoIP service offered by Internet Telephony Service Provider (ITSP).



## Applications

### Enterprise IP PBX Deployment of VIP-1010PT

The VIP-1010PT is much easier to install and configure than the traditional phone system. Its low cost and high-definition voice quality give you value for money. Based on standard SIP 2.0, it is compatible with all the standard SIP-based servers.



## Specifications

Product	VIP-1010PT
<b>Hardware Specifications</b>	
Lines (direct numbers)	1-line cost-effective IP phone
Display	132 x 64 graphic LCD with blue backlight
Feature Keys	4 soft keys 10 programmable keys
<b>Protocols and Standard</b>	
Data Networking	<ul style="list-style-type: none"> <li>MAC address (IEEE 802.3)</li> <li>IPv4 (RFC 791)</li> <li>Address Resolution Protocol (ARP)</li> <li>DNS: A record (RFC 1706), SRV record (RFC 2782)</li> <li>Dynamic Host Configuration Protocol client (RFC 2131)</li> <li>TCP (RFC 793)</li> <li>User Datagram Protocol (RFC 768)</li> <li>Real-time Protocol (RFC 1889, 1890)</li> <li>Real-time Control Protocol (RFC 1889)</li> <li>Simple Network Time Protocol (RFC 2030)</li> <li>Backward compatible with RFC 2543</li> <li>Session timer (RFC 4028)</li> <li>SDP (RFC 2327)</li> </ul>
Voice Gateway	<ul style="list-style-type: none"> <li>SIP version 2 (RFC 3261, 3262, 3263, 3264)</li> <li>Message waiting indicator (RFC 3842)</li> <li>Voice algorithms: <ul style="list-style-type: none"> <li>- G.711 (A-law and <math>\mu</math>-law)</li> <li>- G.729</li> <li>- G.722</li> <li>- G723</li> <li>- G726</li> </ul> </li> <li>Dual-tone multi-frequency (DTMF), in-band and out-of-band (RFC 2833) (SIP info)</li> <li>Voice activity detection (VAD) with silence suppression</li> <li>Comfort noise generation</li> <li>Echo cancellation message</li> </ul>

Features	
Phone Features	1-line (supporting 1 SIP account) Supports call waiting, call forwarding, call transfer 3-way conferencing Call on hold, mute, auto-answer, redial Phonebook (500 groups), blacklist (100 groups), call logs (100 entries) 5 remote phone book URLs supported LDAP DND (Do Not Disturb) Volume adjustable, ring tones selectable Call pickup/group call pickup Speed dial Intercom Daylight saving Network packet capture Country ringtone signal Direct IP call Auto redial Hotline XML browser Hot desking Keypad lock Action URL Multi-languages by default: English and Simplified Chinese
IP PBX Feature	HD voice Dial plan SMS, voicemail, MWI message notification Wideband codec: G.722 Narrowband codec: G.711 (A-law and $\mu$ -law), G.729, G.722, G723, G726 VAD, CNG, echo canceller Full-duplex speakerphone
Security Features	Supports HTTPS (SSL) Supports SRTP for voice data encryption Supports login for administration SIP over TLS Dial without registration
Network Features	SIP V1(RFC2543), V2(RFC3261) Static IP/DHCP for IP configuration 3 DTMF modes: In-band, RFC2833, SIP info HTTP/HTTPS Web server for management NTP for auto time setting
Administration Features	Auto provisioning using FTP/TFTP/HTTP/HTTPS/PnP Dial through IP PBX using phone number Dial through IP PBX using URL address Configuration managements with Web, keypad on the phone and auto provisioning SNMP TR069
Environments	
Power Requirements	5V DC, 1A IEEE 802.3af
Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 65% (non-condensing)
Weight	651g (without box), 920g (with box)
Dimensions (W x D x H)	193 x 190 x 35 mm
Emission	CE, FCC
Connectors	Two 10/100BASE-TX RJ45 Ethernet ports Handset: RJ9 connector Headphone: RJ9 connector DC power jack Built-in speakerphone and microphone

## Ordering Information

VIP-1010PT	High Definition PoE IP Phone (1-Line)
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## Related Products

VIP-2020PT	Enterprise HD PoE IP Phone (2-Line)
VIP-5060PT	Professional HD PoE IP Phone (6-Line)
VIP-6040PT	Gigabit Color LCD HD PoE IP Phone (4-Line)
VIP-156	SIP Analog Telephone Adapter
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-157	1 FXS/1 FXO SIP Analog Telephone Adapter
VIP-157S	2 FXS Analog Telephone Adapter
ICF-1800	HD Touch Screen Android Multimedia Conference Phone
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-Port FXO)
VGW-402	4-Port SIP VoIP Gateway (2 FXS + 2 FXO)
VGW-400FO	4-Port SIP VoIP Gateway (4 FXO)
VGW-400FS	4-Port SIP VoIP Gateway (4 FXS)
VGW-804	8-Port SIP VoIP Gateway (4 x FXS + 4 x FXO)
VGW-800FS	8-Port SIP VoIP Gateway (8 x FXS)
VGW-800FO	8-Port SIP VoIP Gateway (8 x FXO)