

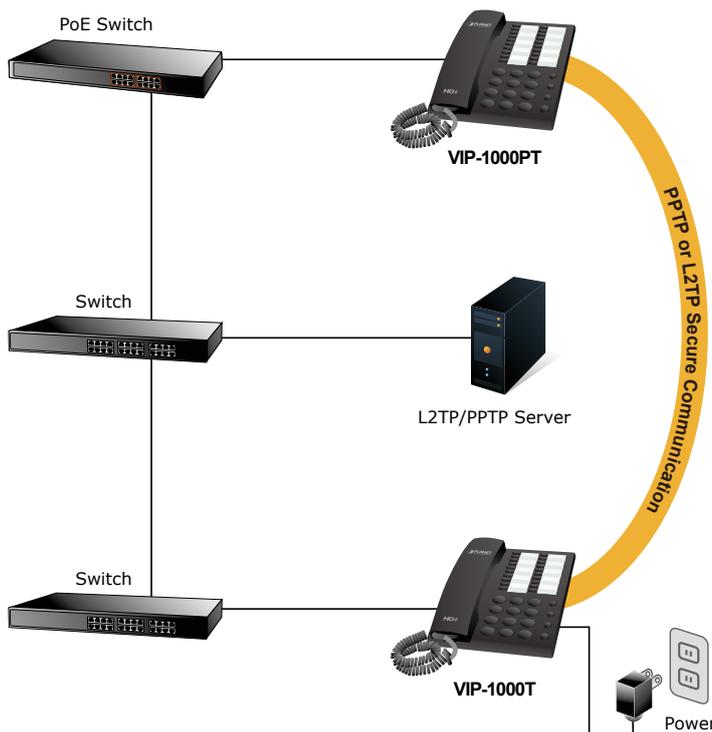
# High Definition PoE IP Phone



## Cost-effective, High-definition VoIP Phone

PLANET VIP-1000PT and VIP-1000T are high-definition but cost-effective IP Phones where the earlier model comes with the PoE technology and the latter is without PoE. Whatever, both models, through IP PBX, feature VoIP and traditional telephone communications, and converged data and voice networks which can be built from one location to another without considering distance, thus making communications convenient over a long distance.

In addition, the VIP-1000PT and VIP-1000T have a 1-line business IP feature. VoIP communications can be extended when using PPTP VPN or L2TP VPN. The VIP-1000PT and VIP-1000T also allow 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.



## Highlights

- Supports SIP 2.0 (RFC3261)
- IEEE 802.3af Power over Ethernet compliant (VIP-1000PT only)
- Supports HD voice (G.722)
- Voice Activity Detection
- Auto Provisioning: TFTP, HTTP and HTTPS
- IP conflict detection

## Advantageous Applications

- SIP supports SIP domain, DNS name of server, peer to peer/IP call
- In-band, out-of-band, SIP info, RFC 2833 DTMF relay
- Adaptive jitter buffer management
- Echo cancellation
- Full duplex hands-free speaker phone
- Hands-free headset ringing choice
- Voice codec setting for SIP line
- Customized ring tone

## SIP Applications

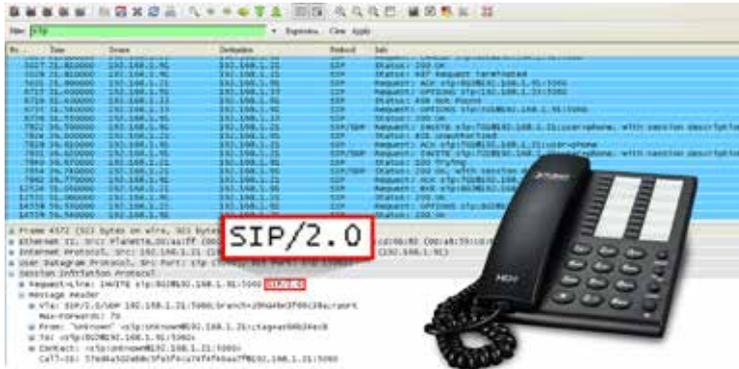
- Call forward and transfer (blind/attended)
- Call holding and waiting
- 3-way conferencing
- Paging and intercom
- Call park, call pickup and join call
- Call history, and blacklist (Each supports 100 records)
- Supports phonebook with 500 records
- Supports shortcut keys and speed dial
- Supports CSV phonebook and browser

## Call Control Features

- DTMF Relay: In-band, out-of-band (RFC2833) and SIP info
- Call log: redial list, answered calls and missed calls
- White list and limit call
- Do not disturb (DND)
- Caller ID, CLIR (rejects an anonymous call) and CLIP (make a call with anonymous)
- Dial without registration

**Standard Compliance**

Compliant with the Session Initiation Protocol 2.0 (RFC 3261), the VIP-1000PT and VIP-1000T are able to function with other PLANET and any third-party VoIP products.



**Network Features**

- PPPoE and DHCP client on WAN
- 802.1P and Q VLAN
- VPN (L2TP, PPTP)
- Main DNS and secondary DNS server
- DNS relay and SNTP client
- QoS with Layer 2 and Layer 3 (SIP/RTP/Data)

**Maintenance and Management**

- Integrated web server provides web-based administration and configuration
- Automated provisioning and upgrade via HTTPS, HTTP, TFTP
- User Authentication for configuration pages
- Local and remote Syslog (RFC 3164)
- SNTP time synchronization and TR-069

**Enhanced, Full-featured Business IP Phones**

The VIP-1000PT and VIP-1000T are business IP phones that address the communication needs of the enterprises. They provide 1 voice line and 10/100Mbps Ethernet network. Furthermore, the VIP-1000PT and VIP-1000T deliver 20 multi-functional keys with speed dial and shortcut key. The VIP-1000PT and VIP-1000T support all kinds of SIP-based phone features including call waiting, auto answer, music on hold, caller ID and call waiting ID, 3-way conferencing, call hold, call forwarding, black list, hotline, DTMF relay, in-band, out-of-band (RFC 2833) and SIP info method, among others. Besides office use, the VIP-1000PT and VIP-1000T are also the ideal solution for VoIP service offered by Internet Telephony Service Provider (ITSP).



**Secure, High-Quality VoIP Communication**

The VIP-1000PT and VIP-1000T support SIP v2 for easy integration with general voice over IP system. It can also effortlessly deliver secured toll voice quality by utilizing cutting-edge 802.1p QoS (Quality of Service) and IP TOS technology. It also supports HD (High Definition) voice as G.722 to provide clear communications.

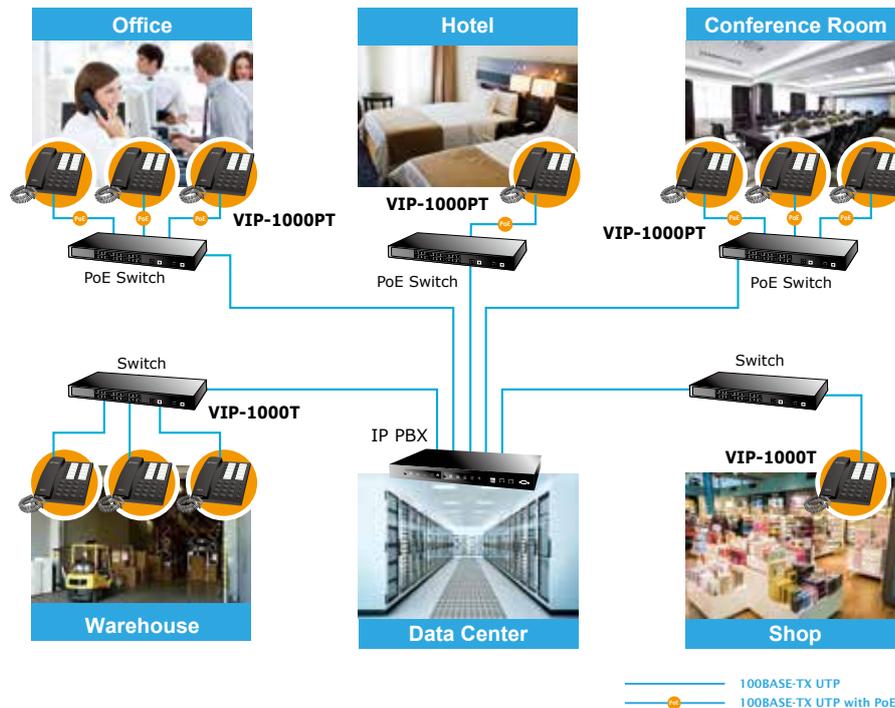


## Applications

### Enterprise IP Telephony Deployment of VIP-1000 Series

The VIP-1000 Series 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.

The VIP-1000 Series (The VIP-1000PT PoE model or the VIP-1000T non-PoE model) can be set up in any place to conveniently communicate with friends or business associates via IP PBX.



## Specifications

Product	VIP-1000PT High Definition PoE IP Phone	VIP-1000T High Definition IP Phone
<b>Hardware</b>		
Lines (Direct Numbers)	1-line business-class IP phone	
Feature Keys	12 dialing buttons (0~9, *, #) 4 x fixed function buttons 20 multi-functional key	
Physical Interfaces	One 10/100BASE-TX RJ45 Ethernet port (IEEE 802.3) Handset: RJ9 connector Built-in speakerphone and microphone	
<b>Protocols and Standard</b>		
Data Networking	MAC address (IEEE 802.3) IPv4 (RFC 791) Address Resolution Protocol (ARP) DNS: A record (RFC 1706), SRV record (RFC 2782) Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) Internet Control Message Protocol (ICMP) (RFC 792) TCP (RFC 793) User Datagram Protocol UDP (RFC 768) Real-time Protocol RTP (RFC 1889, 1890) Real-time Control Protocol (RTCP) (RFC 1889) Differentiated Services (DiffServ) (RFC 2475) Type of Service (ToS) (RFC 791, 1349) VLAN tagging 802.1p/Q: Layer 2 Quality of Service (QoS) Simple Network Time Protocol (SNTP) (RFC 2030) Backward compatible with RFC 2543 Session Timer (RFC 4028) SDP (RFC 2327) NAPTR for SIP URI Lookup (RFC 2915)	

Voice Gateway	<p>SIP version 2 (RFC 3261, 3262, 3263, 3264)  SIP support in NAT networks [including STUN (RFC 3489)]  Message Waiting Indicator (RFC 3842)  Voice algorithms:  - G.711 (A-law and <math>\mu</math>-law)  - G.729A/AB with PAMS above 4.0  - G.722  - G.723  Dual-tone multi-frequency (DTMF), in-band and out-of-band (RFC 2833) (SIP info)  Voice activity detection (VAD)  Adaptive jitter buffer management  Comfort noise generation  Echo cancellation</p>	
Provisioning, Administration, and Maintenance	<p>Integrated web server provides web-based administration and configuration  Automated provisioning and upgrade via HTTPS, HTTP, TFTP  User authentication for configuration pages  Local and remote Syslog (RFC 3164)  SNTP time synchronization  Capture wireshark trace via web  Multi-user level  SNMP v2  TR069</p>	
<b>Features</b>		
Telephony Features	<p>One voice line  Call Waiting  Auto Answer  Music on Hold  Caller ID  3-way call conferencing  Call Hold and Call Forwarding  Call Transfer: blind transfer and attended transfer  Call Log: redial list, answered calls and missed calls  Volume Adjustment: handset, speaker and ringer  Volume Gain: handset input and speakerphone input  Delayed Hotline  Redial, Speed Dial  Pick Up, Call Park, Dial Plan  Black List  Do not disturb (DND)  Full-duplex speakerphone  Customized Ring Tone  Call History (100 records )  - Most Recently Missed Calls  - Most Recently Received Calls  - Most Recently Dialed Numbers  Phone book ( 500 records)  Blacklist (100 records )</p>	
<b>Environment</b>		
Power Requirements	5V DC, 1A IEEE 802.3af PoE class 3 Max. 2W	5V DC, 1A
Operating Temperature	0 ~ 50 degrees C	
Operating Humidity	10 ~ 90% (non-condensing)	
Weight	488g	477g
Dimensions (W x D x H)	185 x 146 x 67 mm	
Emission	CE, FCC	
Connectors	<p>One 10/100Mbps Ethernet, RJ45  RJ9 handset connector  DC power jack  DND switch</p>	

## Ordering Information

VIP-1000PT	High Definition PoE IP Phone (1-Line)
VIP-1000T	High Definition IP Phone (1-Line)

## Related Products

VIP-1010PT	High Definition PoE IP Phone (1-Line)
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-8030NT	HD Voice Conference IP Phone with PSTN (3-Line)
ICF-1800	HD Touch Screen Android Multimedia Conference Phone (6-Line)
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-port FXO)
VGW-400 series	4-port SIP VoIP Gateway
VGW-800 series	8-port SIP VoIP Gateway
VIP-1680 Series	16-port H.323/SIP VoIP Gateway
VIP-2480 Series	24-Port H.323/SIP VoIP Gateway
WGSW-48040HP	L2+ 48-port 10/100/1000T 802.3at PoE + 4-port Shared 100/1000X SFP Managed Switch
GSW-1600HP	16-port 10/100/1000Mbps 802.3at PoE+ Ethernet Switch