

## High Definition Color PoE IP Phone



### *Intuitive Design Brings Quality Communication*

PLANET VIP-1120PT is a two-line SIP desktop phone with color display that brings lifelike richness and voice quality to phone calls. The VIP-1120PT is a reliable communication device as it features ease of use, versatility, high-quality design and superb audio performance. Besides, its full duplex speakerphone system with HD voice can definitely make communication between two or more business parties crystal clear with no interference noise in the background as it supports the G.722 wideband codec.



### *IP Phone with Color Display*

As the VIP-1120PT is an IP phone, it allows you to make calls from any location easily as long as it is online. Its 2.4-inch TFT color display with a resolution of 320 x 240 pixels offers a clear depiction of caller's information. It complies with IEEE 802.3af PoE interface for flexible deployment and supports superior audio quality delivered by the advanced speaker and microphone system, and the digital signal processor (DSP).



### Highlights

- 2.4-inch color LCD monitor
- 2-line key with color LED
- 2 SIP identities
- Wideband G.722 HD audio
- Power over Ethernet (PoE) compliant
- QoS, TR069, auto-provisioning and multi-language

### Advantageous Applications

- Supports SIP 2.0 (RFC 3261)
- Inband, SIP info, RFC 2833 DTMF relay
- Soft keys and function keys programmable
- Echo cancellation: Supports G.168, and 96ms max. filter length in hands-free mode
- Supports voice gain setting, voice activity detection (VAD) and comfort noise generation (CNG)
- Full duplex hands-free speakerphone
- Hands-free headset ringing choice
- Voice codec setting for each SIP line

### 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
- Redial and click to dial
- Secondary dialing automatically
- Incoming calls, outgoing calls and missing calls (Each supports 300 records)
- SMS and speed dial
- Phonebook up to 500 records

### Call Control Features

- Flexible dial map, hotline and empty calling no. for rejected service
- Black list for rejected authenticated calls
- White list and call limit
- Do not disturb (DND)
- Caller ID display
- Dial without registration

### Network Features

- PPPoE/DHCP client
- 802.1 VLAN (voice VLAN/data VLAN)

**Compliant with SIP 2.0**

SIP phones continue to gain popularity among businesses as the preferred protocol for enhancing communication across IP networks. The VIP-1120PT supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The VIP-1120PT is able to broadly interoperate with equipment provided by VoIP infrastructure providers, thus enabling them to provide their customers with better voice over IP services.

**Compliant with standard SIP RFC 3261**



- VPN (L2TP) and openVPN
- Quality of Service

**Maintenance and Management**

- Integrated web server provides web-based administration and configuration
- Telephone keypad configuration via display menu/ navigation
- Automated provisioning and upgrade via HTTPS, HTTP, TFTP
- User authentication for configuration pages
- SNTP time synchronization
- TR069

**Affordable for All Businesses**

The VIP-1120PT is definitely affordable for all business establishments who want flexible deployment options and expansion. It can effortlessly deliver secured toll voice quality by utilizing cutting-edge 802.1p QoS (Quality of Service) and IP ToS technology.



**Applications**

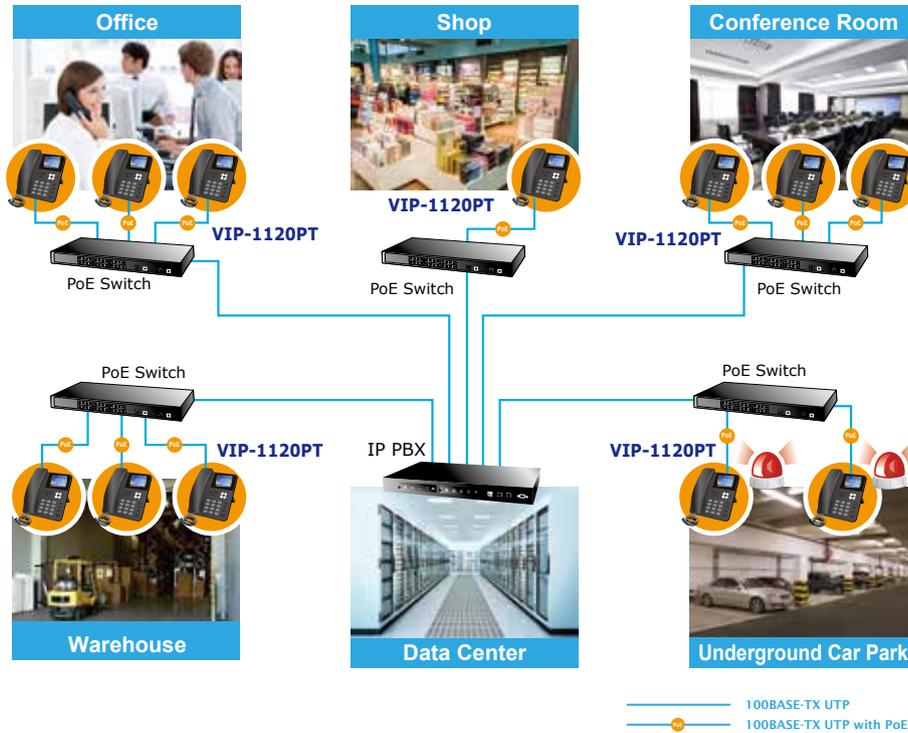
**Enhanced, Full-Featured SIP IP Phone**

The VIP-1120PT is optimized for executive use for administrative assistants and those working with bandwidth-intensive application on collocated PCs. Four programmable extension keys could be configured as IP PBX features like BLF, MWI, DND, Call Forward, Call Park and many others.



**Enterprise IP Telephony Deployment of VIP-1120PT**

Help your teams move faster with exceptional audio quality and built-in flexibility. The VIP-1120PT 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-1120PT
<b>Hardware</b>	
Lines (Direct Numbers)	2 SIP Lines
Physical Interfaces	<p>LCD x 1: 2.4-inch (320 x 240) color LCD</p> <p>Keypad: 32 keys, including</p> <ul style="list-style-type: none"> <li>■ 4 soft-keys</li> <li>■ 12 standard phone digit keys</li> <li>■ 5 navigation keys</li> <li>■ 2-line key with tri-color LED</li> <li>■ 5 function keys</li> <li>■ 3 volume control keys -- Up, Down, Mute (microphone)</li> <li>■ 1 hands-free feature</li> </ul> <p>HD hands-free speaker (0 ~ 7KHz) x 1</p> <p>HD hands-free microphone (0 ~ 7KHz) x 1</p> <p>HD handset (RJ9) x 1</p>
<b>Protocols and Standard</b>	
Protocols	<ul style="list-style-type: none"> <li>■ SIP2.0 over UDP/TCP/TLS</li> <li>■ RTP/RTCP/SRTP</li> <li>■ STUN</li> <li>■ DHCP</li> <li>■ PPPoE</li> <li>■ 802.1x</li> <li>■ L2TP (basic unencryption)</li> <li>■ OpenVPN</li> <li>■ SNTP</li> <li>■ FTP/TFTP</li> <li>■ HTTP/HTTPS</li> <li>■ TR069</li> </ul>
Request for Comments (RFCs)	354, 1321, 1350, 1769, 1889, 1890, 2131, 2132, 2616, 2617, 2661, 2833, 2976, 3261, 3262, 3263, 3264, 3265, 3268, 3311, 3489, 3711, 4346, 4566, 5630, 5865

Networking	
Networking	<ul style="list-style-type: none"> <li>■ Physical: 10/100Mbps Ethernet, dual bridged port for PC bypass</li> <li>■ IP Configuration: Static, DHCP, PPPoE</li> <li>■ Network Access Control: 802.1x</li> <li>■ VPN: L2TP (basic unencryption), OpenVPN</li> <li>■ VLAN</li> <li>■ QoS</li> </ul>
Deployment & Maintenance	<ul style="list-style-type: none"> <li>■ Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP/OPT66/SIP PNP/TR069</li> <li>■ Web management portal</li> <li>■ Web-based packet dump</li> <li>■ Configuration backup/restore</li> <li>■ Auto/Manual online software upgrade</li> <li>■ Syslog</li> </ul>
Features	
Call Features	<ul style="list-style-type: none"> <li>■ Call out, answer, reject</li> <li>■ Mute/unmute (microphone)</li> <li>■ Call hold, resume</li> <li>■ Call waiting</li> <li>■ Intercom</li> <li>■ Caller ID display</li> <li>■ Call forwarding (always/busy/no answer)</li> <li>■ Call transfer (attended/unattended)</li> <li>■ Call parking, pick-up (depending on server)</li> <li>■ Redial</li> <li>■ Do-not-disturb (per line/per phone)</li> <li>■ Auto-answering (per line)</li> <li>■ Voice message (on server)</li> <li>■ Local 3-way conferencing</li> <li>■ Hot line</li> </ul>
Phone Features	<ul style="list-style-type: none"> <li>■ Phone accessibility control by user PIN</li> <li>■ Intelligent phonebook (up to 500 entries in total)</li> <li>■ Remote phonebook (XML/LDAP)</li> <li>■ Intelligent contact number matching/filtering</li> <li>■ Call log (300 entries in total, in/out/missed)</li> <li>■ Voice message waiting indication (VMWI)</li> <li>■ Network time synchronization</li> <li>■ Multi-language support in screen and web UI: English, Chinese (Traditional/Simplified), Japanese, Russian, Italian, Turkish, German, Dutch, Spanish, Hebrew, Polish, French, etc.</li> </ul>
Audio Features	<ul style="list-style-type: none"> <li>■ HD voice microphone/speaker (handset/hands-free, 0~7KHz frequency response)</li> <li>■ Wideband ADC/DAC 16KHz sampling</li> <li>■ Narrowband codec: G.711a/u, G.723.1, G.726-32K, G.729AB</li> <li>■ Wideband codec: G.722</li> <li>■ Full-duplex acoustic echo canceller (AEC) – 96ms tail-length in hands-free mode</li> <li>■ Voice activity detection (VAD), comfort noise generation (CNG), background noise estimation (BNE), noise reduction (NR)</li> <li>■ Packet loss concealment (PLC)</li> <li>■ Dynamic adaptive jitter buffer up to 300ms</li> <li>■ DTMF: In-band, out-of-band – DTMF-relay (RFC 2833), SIP info</li> </ul>
Environment	
Power Requirements	IEEE 802.3af Power over Ethernet 5V 600mA
Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 65% (non-condensing)
Weight	620g
Dimensions (W x D x H)	196 x 164 x 60 mm
Emission	CE, FCC, RoHS
Connectors	<p><b>RJ9 phone jacket x 2:</b></p> <ul style="list-style-type: none"> <li>■ Handset x 1</li> <li>■ Headphone x 1</li> </ul> <p><b>RJ45 Ethernet jacket x 2:</b></p> <ul style="list-style-type: none"> <li>■ Network x 1 (802.3af PoE Class 1 enabled)</li> <li>■ PC x 1 (Bridged Network)</li> </ul>

## Ordering Information

VIP-1120PT	High Definition Color PoE IP Phone
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## Related Products

VIP-1000PT	Entry Level PoE IP Phone (1-Line)
VIP-1000T	Entry Level IP Phone (1-Line)
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)
VIP-156	SIP Analog Telephone Adapter
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-157S	2 FXS Analog Telephone Adapter
VPA-100	SIP Public Announcement Adapter with PoE
HDP-1100PT	720p SIP Door Phone with PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
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-2200	Internet Telephony PBX System (200 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
UMG-1000	Desktop Unified Office Gateway
VGW-400 series	4-port SIP VoIP Gateway
VGW-800 series	8-port SIP VoIP Gateway
GSW-2620VHP	24-port 10/100/1000T 802.3at PoE + 2-port Gigabit SFP Ethernet Switch with LCD PoE Monitor (300W)
FGSW-2622VHP	24-port 10/100TX 802.3at PoE + 2-port Gigabit TP/SFP Combo Ethernet Switch with LCD PoE Monitor (300W)