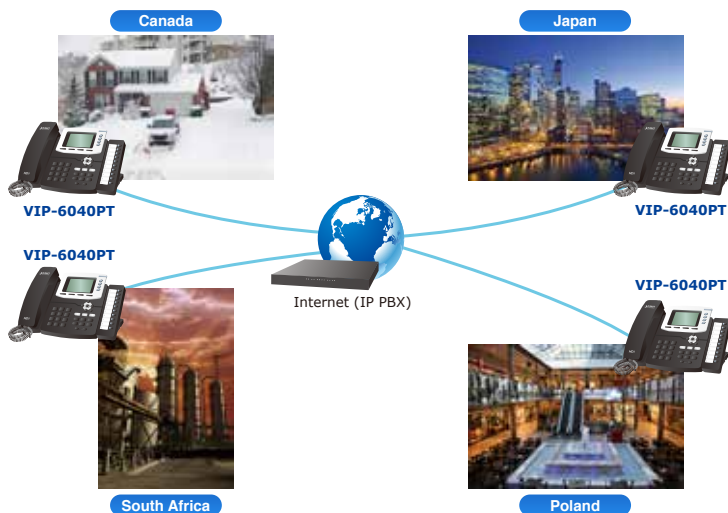


Gigabit Color LCD HD PoE IP Phone



Cost-effective, High-performance PoE VoIP Phone

To build high-performance VoIP communications at a low cost, PLANET has launched a new member of its IP Phone family, the VIP-6040PT enterprise-class 4-Line PoE IP Phone. It complies with IEEE 802.3af PoE interface for flexible deployment. The VIP-6040PT, featuring voice and data system where the earlier feature can be included in new locations, makes it simple for enterprises. It helps enterprises 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-6040PT 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.



Free Call to all over the World

Highlights

- Dual 10/100/1000 Gigabit Ethernet
- Supports SIP 2.0 (RFC3261)
- 5-way Conferencing
- IEEE 802.3af Power over Ethernet compliant
- Color screen and sleep mode
- Supports HD voice
- Supports Bridged Line Appearance (BLA) and Busy Lamp Field (BLF)
- Supports 6 extension consoles; max. 240 definable keys
- Phonebook / Black list XML /LDAP phonebook
- VLAN QoS (802.1pq)
- TR069 / SNMP
- Multiple Languages

Voice Features

- HD wideband codec: G.722 HD codec, HD speaker, HD handset
- Full-duplex speakerphone with AEC
- G.711u/a-law, G.723.1, G.726, G.729A/B.
- DTMF (In-Band, RFC2833, SIP Info)
- Acoustic Echo Cancellation (AEC), Acoustic Gain Control (AGC)
- Voice Activity Detection (VAD), Comfort Noise insertion

Security Features

- HTTPS Server/Client
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPs
- VLAN QoS (802.1pq)

Telephone Features

- TCP, UDP, ICMP, RARP, ARP, DNS, NTP,SNTP, STUN, UPnP, SNMP
- 4 VoIP Accounts
- Menu-driven user interface, XML Idle Screen, Theme
- Screen Sleep
- Call Hold, Call Waiting, Call Forward, Call Return
- Redial, Call Transfer
- Caller ID display, DND, Auto-answer
- 5-way Conferencing
- Mute, Speed Dial, SMS, Voicemail, Message Waiting
- Indication (MWI) LED, Call history
- BLF / BLA
- Tone scheme, Volume control

Color Screen

The VIP-6040PT is an innovative, enterprise-level, color IP phone that enables user to use the photo caller ID function (upload photo to identify the extension user). When in the sleep mode, the photo user wants to be shown on the color screen can be had automatically, thereby making communication colorful.



- Ring tone selection/Import/Delete
- Broad and Deep Interoperability
- Soft keys programmable
- Phonebook, Black list XML / LDAP phonebook

Network Protocols

- TCP, UDP, ICMP, RARP, ARP, DNS, NTP,SNTP, STUN, UPnP, SNMP
- Static / DHCP / PPPoE
- TFTP / DHCP / PPPoE client
- Telnet / HTTP/ HTTPS server

Maintenance and Management

- Auto-provision via FTP/TFTP/HTTP/HTTPS
- Upgrade via Browser/Phone/Auto-provision
- TR069

High-quality HD VoIP Voice

The VIP-6040PT delivers HD voice whose both hardware and software HD functions (HD speaker and G.722 HD codec) 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 come 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.



Standard Compliance

The VIP-6040PT supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The VIP-6040PT 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



Enhanced, Full-Featured Business IP Phone

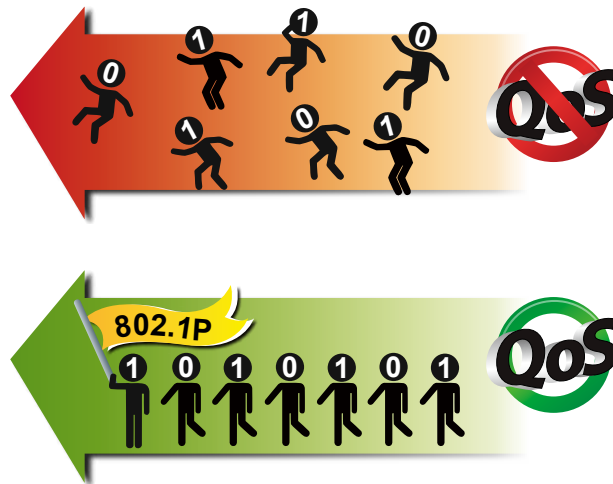
The VIP-6040PT is a full-featured enhanced business IP Phone that addresses the communication needs of the enterprises. It provides 4 voice lines and dual 10/100/1000Mbps Ethernet. Furthermore, the VIP-6040PT delivers user-friendly design containing a 480 x 320 color LCD.

The VIP-6040PT supports all kinds of SIP-based phone features including 5-way conferencing, Transfer (blind/attended), Phonebook, Black list XML, LDAP phonebook, Screen Sleep, SMS / Voicemail / Message Waiting, Ring tone selection / Import / Delete, STUN, UPnP and SNMP, among others. Besides office use, the VIP-6040PT is also the ideal solution for VoIP service offered by Internet telephony service provider (ITSP).



Secure, High-quality VoIP Communication

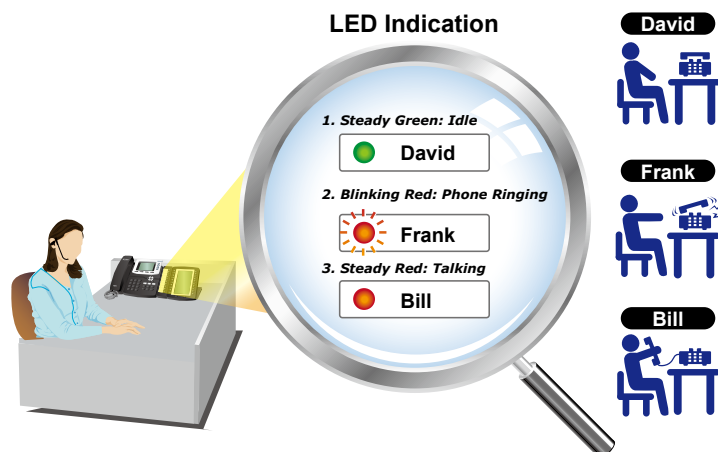
The VIP-6040PT can effortlessly deliver secured toll voice quality by utilizing cutting-edge 802.1pq QoS (Quality of Service) and 802.1PQ VLAN tagging. Using voice and data VLAN can easily separate the data and voice, thus maintaining the best quality.



Professional Applications

The VIP-6040PT supports Busy Lamp Field (BLF) function that, via the lights on the phone, enables users to easily identify the status of other phones which are connected to the same IP PBX, such as busy, idle, ringing, etc. The connected IP PBX must also support BLF feature. The BLF function is helpful for a receptionist on the front desk to route all incoming calls smoothly.

BLF (Busy Lamp Field)



Applications

Professional IP Telephony System Deployment with the VIP-6040PT

The VIP-6040PT is much easier to install and configure than the traditional phone system. Its color screen and high-definition voice quality make your communication wonderful. Base on standard SIP 2.0, it is compatible with all the standard SIP-based servers.



Specifications

Product	VIP-6040PT
Hardware Specifications	
Lines (Direct Numbers)	Gigabit Color LCD HD PoE IP Phone (4-Line)
Display	3.5" TFT-LCD, 480 x 320 pixel, 262K colors
Feature Keys	47 keys including 14 programmable keys
Network Interfaces	2 x 10/100/1000BASE-T RJ-45 Auto Negotiation, Auto MDI, Network port with 802.3af PoE support Handset: 1 RJ9 (4P4C) Headphone: 1 RJ9 (4P4C)
Protocols and Standard	
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 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	SIPv2, SDP (RFC 2327), RTP (RFC 1889,1890), RTCP RFC 2833 X-NSE Tone Events for SIP/RTP, AVT Tone Events for SIP/RTP
Function	
Voice Codec	HD wideband codec: G.722 HD codec, HD speaker, HD handset Full-duplex speakerphone with AEC G.711u/a-law, G.723.1, G.726, G.729A/B. DTMF(In-Band, RFC2833, SIP Info) Acoustic Echo Cancelation (AEC) Acoustic Gain Control (AGC) Voice Activity Detection (VAD) Comfort Noise insertion
Security	HTTPS Server / Client Transport Layer Security (TLS) SRTP (RFC3711), SIPS VLAN QoS (802.1pq)
Telephone Features	4 VoIP Accounts Menu-driven user interface, XML Idle Screen, Theme, Screen Sleep Call Hold, Call Waiting, Call Forward, Call Return, Redial, Call Transfer Caller ID display, DND, Auto-answer, 5-way Conferencing Mute, Speed Dial, SMS, Voicemail, Message Waiting Indication (MWI) LED, Call history BLF / BLA Tone scheme, volume control Ring tone selection / Import / Delete Broad and Deep Interoperability Soft keys programmable Phonebook, Black list XML/LDAP phonebook
Network Protocol	TCP, UDP, ICMP, RARP, ARP, DNS, NTP, SNTP, STUN, UPnP, SNMP Static / DHCP / PPPoE TFTP / DHCP / PPPoE client Telnet / HTTP / HTTPS server
Management	Auto-provision via FTP / TFTP / HTTP / HTTPS Upgrade via Browser / Phone / Auto-provision TR069
Environments	
Power Requirements	5V DC, 1.2 A IEEE 802.3af Power over Ethernet
Operating Temperature	-10 ~ 50 degrees C
Operating Humidity	10 ~ 95% (non-condensing)
Weight	980g
Dimensions (W x D x H)	268.5 x 240 x 40 mm
Emission	CE, FCC
Connectors	Two 10/100/1000BASE-T RJ-45 Ethernet ports Handset: RJ-9 connector Headphone: RJ-9 connector RJ-11 ext. connector (future feature) DC power jack

Ordering Information

VIP-6040PT	Gigabit Color LCD HD PoE IP Phone
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Accessories

VIP-EXT-40	Color Expansion Module for VIP-6040PT
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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-362WT	802.11n Wireless Desktop IP Phone
VIP-256PT	802.3af PoE SIP IP Phone
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
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)
VIP-281 series	2-Port FXS H.323 / SIP / GSM VoIP Gateway
VIP-880 series	8-Port FXS H.323 / SIP VoIP Gateway
VIP-1680 Series	16-Port FXS H.323 / SIP VoIP Gateway
VIP-2480 Series	24-Port FXS H.323 / SIP VoIP Gateway
VGW-402	4-Port SIP VoIP Gateway (2 x FXS + 2 x FXO)
VGW-400FS	4-Port SIP VoIP Gateway (4 x FXS)
VGW-400FO	4-Port SIP VoIP Gateway (4 x FXO)
WGSW-48040HP	L2+ 48-Port 10/100/1000T 802.3at PoE + 4-Port Shared 100/1000X SFP Managed Switch
XGSW-28040HP	L2+ 24-Port 10/100/1000Mbps 802.3at PoE + 4-Port 10G SFP+ Managed Switch with Hardware Layer3 IPv4/IPv6 Static Routing