High Definition Color PoE IP Phone

Intuitive Design Brings Quality Communication

PLANET VIP-2140PT is a four-line SIP new enterprise phone with dual display that brings lifelike richness and voice quality to phone calls. The VIP-2140PT 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.

Multi-language IP Phone with Color Display

As the VIP-2140PT is a high-performance IP phone, it allows you to make calls from any location easily as long as it is online. Its 2.8-inch (main) and 2.4-inch (DSS) key-mapping LCD monitors with multi-languages make interaction easy by way of the web-based UI. It provides 30 configurable and 6 multicolored LED keys, and offers a clear depiction of caller's information. It complies with IEEE 802.3af/at PoE interface and dual 10/100/1000Mbps Ethernet for flexible deployment and supports superior audio quality delivered by the advanced speaker and microphone system, and the digital signal processor (DSP).

Highlights

- 2.8-inch (main) and 2.4-inch (DSS) key-mapping LCD monitor
- 30 configurable and 6 multicolored LED keys
- IETE SIP compliant with 4 identities/accounts
- Wideband G.722 HD audio with Handset and Hands-free function
- Multi-language support via the web-based UI
- Gigabit switch and IEEE 802.3af/at PoE compliant
- VPN, VLAN QoS, TR069 and auto-provisioning

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 a maximum filter length of 96ms 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 call join
- Redial and click to dial
- Secondary dialing automatically
- Incoming calls, outgoing calls and missed calls (Each supports 100 records)
- SMS and speed dial
- Phonebook with up to 500 records

Call Control Features

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

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-2140PT supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The VIP-2140PT 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

Network Features
- PPPoE/DHCP client
- 802.1 VLAN (voice VLAN/data VLAN)
- 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-2140PT is definitely affordable for all business establishments who want flexible deployment options and expansion. It can effortlessly deliver secure toll voice quality by utilizing the cutting-edge 802.1p QoS (Quality of Service) and IP ToS technologies.
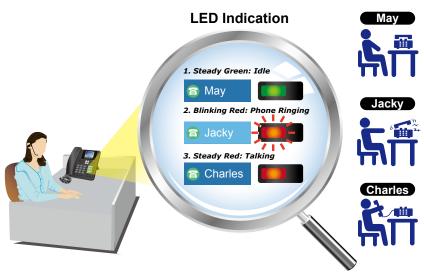
Professional Application

The VIP-2140PT 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 the BLF feature. The BLF function is helpful for a receptionist on the front desk to route all incoming calls smoothly.

BLF (Busy Lamp Field)

LED Indication
1. Steady Green: Idle — May
2. Blinking Red: Phone Ringing — Jacky
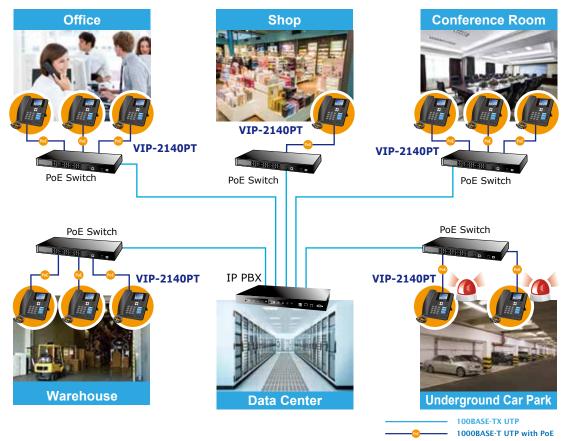3. Steady Red: Talking — Charles

May
Jacky
Charles

Applications

Enhanced, Full-Featured SIP IP Phone

The VIP-2140PT 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.

- 2.8''+2.4'' color LCD
- Phonebook with 500 records
- Multi-language
- Auto Provisioning
- Call Forward
- Gigabit PoE
- Caller ID
- 4 SIP lines
- Multilanguage realizes localization
- Soft / Function keys programmable
- 802.1 VLAN (Voice VLAN / Data VLAN)
- SIP 2.0 (RFC3261 compliant)
- Do not disturb
- SMS / Speed Dial / BLF
- Transfer (blind/attended)
- G.722 HD Voice
- VPN (L2TP) and DMZ
- TR-069
- Quality of Service
- 802.1 VLAN

Enterprise IP Telephony Deployment of VIP-2140PT

The VIP-2140PT comes with exceptional audio quality and user-friendly features. The installation and configuration of the IP phone are easier than those of 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.

| Office | Shop | Conference Room |

VIP-2140PT — PoE Switch

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PoE Switch — VIP-2140PT

IP PBX

PoE Switch — VIP-2140PT

| Warehouse | Data Center | Underground Car Park |

100BASE-TX UTP
1000BASE-T UTP with PoE

Specifications

Product	VIP-2140PT
Hardware	
Lines (Direct Numbers)	4 SIP Lines
Display	Main 2.8-inch (320 x 240) color LCD monitor DSS key-mapping color LCD monitor
Feature Keys	38 keys, including ■ 4 Soft-keys ■ 6 Function keys ■ 5 Navigation keys ■ 12 Standard Phone Digits keys ■ 3 Volume Control keys, Up/Down/Mute (Microphone) ■ 1 Hands-free key ■ 6 DSS Keys with tri-color LED ■ 1 Page-Jump/Configuration (PJC) key
Network Interfaces	RJ45 Ethernet jacket x 2: ■ Network x 1 (802.3af PoE Class 2 enabled) ■ PC x 1 (Bridged Network)
Connectors	HD hands-free speaker (0 ~ 7KHz) x 1 HD hands-free microphone (0 ~ 7KHz) x 1 HD handset (RJ9) x 1
Power Requirements	IEEE 802.3af 5V 1000mA (optional external power supply) Power Consumption: Idle – ~ 1.7W, Peak – ~5.7W
Weight	770g
Dimensions (W x D x H)	196 x 200 x 65 mm
Protocols	SIP2.0 over UDP/TCP/TLS RTP/RTCP/SRTP STUN DHCP PPPoE 802.1x L2TP (basic unencryption) OpenVPN SNTP FTP/TFTP HTTP/HTTPS TR069
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	Physical: 10/100/1000Mbps Ethernet, dual bridged port for PC bypass IP Configuration: Static, DHCP, PPPoE Network Access Control: 802.1x VPN: L2TP (basic unencryption), OpenVPN VLAN QoS
Deployment & Maintenance	Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP/OPT66/SIP PNP/TR069 Web management portal Web-based packet dump Configuration Export, Import Phonebook Import, Export Firmware Upgrade Syslog

Features

Call Features	Call Out, Answer, Reject Mute, Unmute (microphone) Call Hold, Resume Call Waiting Intercom Caller ID Display Speed Dial Anonymous Call (Hide Caller ID) Call Forwarding (Always/Busy/No Answer) Call Transfer (Attended/Unattended) Call Park, Pick-up (depending on server) Redial/Auto-Redial Do-Not-Disturb (per line, per phone) Auto-Answering (per line) Voice Message (on server) Local 3-way Conference Hot Line Hot-Desking
Phone Features	Intelligent phonebook (up to 500 entries in total) Remote phonebook (XML/LDAP) Call log (100 entries in total, in/out/missed) Black/White List Call Filtering Voice Message Waiting Indication (VMWI) Programmable DSS/Soft keys Network Time Synchronization Action URL/Active URI Multi-language support via web-based UI: English, Chinese (Traditional/Simplified), Japanese, Russian, Italian, Turkish, German, Dutch, Spanish, Hebrew, Polish, French, etc.
Audio Features	HD voice microphone/speaker (handset/hands-free, 0~7KHz frequency response) Wideband ADC/DAC 16KHz sampling Narrowband codec: G.711a/u, G.723.1, G.726-32K, G.729AB Wideband codec: G.722 Full-duplex acoustic echo canceller (AEC) – a tail length of 96ms in hands-free mode Voice activity detection (VAD), comfort noise generation (CNG), background noise estimation (BNE), noise reduction (NR) Packet loss concealment (PLC) Dynamic adaptive jitter buffer up to 300ms DTMF: In-band, out-of-band – DTMF-relay (RFC2833), SIP info

Environment

Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 65% (non-condensing)
Emission	CE, FCC, RoHS

Ordering Information

VIP-2140PT	High Definition Color PoE IP Phone with Dual Display

VIP-2140PT

Related Products

VIP-1000T	Entry Level IP Phone (1-Line)
VIP-1000PT	Entry Level PoE IP Phone (1-Line)
VIP-1010PT	High Definition PoE IP Phone (1-Line)
VIP-1120PT	High Definition Color PoE IP Phone (2-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-480 series	4-port SIP VoIP Gateway
VGW-880 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)

VIP-2140PT