

# Integrated HD VoIP Solution for Businesses and Homes



- Easy integration with IETF SIP Protocol
- Asterisk-based IP PBX
- User-friendly Color IP Phone
- IP-based Video Intercom



**SIP IP  
Intercoms**



**Indoor Touch Screen  
PoE Video Intercom**



**SIP HD Color PoE  
IP Phone**



# IP Telephony

## HD Voice

PLANET VoIP Series features wide-band, high-definition voice for crisp, precise sound quality whether delivered via the handset, speakerphone or optional headset. All phones in the series feature wideband-compliant, and hearing aid compatible handsets along with built-in, high-quality speakers and microphones.



## Conferencing Solutions

The convenient 3-way conferencing feature, available on all PLANET VoIP Series, will help you save time and resources. A paging function lets you quickly get two colleagues on the phone with you for a conference even if they're located at the opposite ends of the country.

## Watching Live Surveillance Images via SIP IP Cameras

PLANET SIP communication solution integrated with IP PBX, IP phone and IP camera helps users to watch live surveillance view more easily just by dialing a phone number. With the motion alarm function, the SIP IP camera provides a more instant, efficient response method, better than the other methods, such as FTP, email, SD card and more, to alert users so as to prevent a bad event from happening.



## Green IP Office

The Fax to Email/Email to Fax service by PLANET IP PBX allows users to transfer/receive faxes directly to/from your email inbox as file attachments. It's an easy and confidential way of receiving, storing and forwarding important fax documents, thus creating a paperless green office.



## Managing your Office from your Mobile Device

Users have an IP PBX phone number including an office extension number where calls ring simultaneously on their mobile device, making it easy to connect one another wherever they are. Access to people, messages and information help mobile users deliver whether they are in or out of the office.



# SIP IP Conference Phones

PLANET Professional VIP Telephone series is both aesthetically appealing and highly practical, meeting whatever business requirements you need for your daily work. Advanced business telephony features, including wideband HD audio for crystal-clear conversation, HD displays and support for security standards such as TLS and SRTP, are indispensable when it comes to quality and functionality. These high-performance devices are future proofed and provide the best in wideband HD audio, ensuring crystal-clear sound quality in the on-premise or hosted PBX environment.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Interoperable with all major IP PBX platforms
- Acoustic echo cancellation (AEC), adaptive jitter buffer (AJB)
- Background noise estimation (BNE)
- Comfort noise generation (CNG), noise reduction (NR)
- Packet loss concealment (PLC), voice activity detection (VAD)
- Audio codecs: G.711 A-law,  $\mu$ -law, G.722 (wideband), G.723, G.726 and G.729AB

## VIP-1260PT

- IETE SIP compliant with Transport Layer Security
- Wideband G.722 HD and Opus audio
- 2.8-inch color LCD with Multi-language display
- Dual Gigabit and IEEE 802.3af/at PoE compliant



## VIP-1120PT

- 2.4-inch color LCD monitor
- 2 identities/accounts with color LED
- Wideband G.722 HD audio with handset and hands-free



## VIP-2140PT

- 2.8-inch main color LCD monitor
- 2.4-inch (DSS) key-mapping LCD monitor
- 4 identities/accounts with color LED
- 30 configurable and 6 multicolored LED keys
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet



## ICF-1900/ICF-CAM80

- 7-inch color touch screen with Android 9.0 OS
- Plug and Play optional 1080p USB camera with 720P 30fps H.264 video call
- IETE SIP compliant with Transport Layer Security
- Up to 20 SIP lines with 112 one-touch DSS keys
- Dual Gigabit and IEEE 802.3af/at PoE compliant
- Built-in Bluetooth 4.2 and 2.4G/5G Wi-Fi
- Wideband G.722 HD and Opus audio codec with handset and hands-free function



**Premium Business Media Phone Delivers Best-in-Class Desktop Productivity**

**ICF-CAM80 (Optional)**  
The optional ICF-CAM80 Camera turns your SIP Media Phone into a desktop video conferencing solution

**Have a Face-to-Face Communication with Your Partners in Color**  
High Definition Touch Color Screen Smart Media Android SIP Conference Phone **ICF-1900**

## VTS-700P

- Stylish 7-inch Touch Screen IP Intercom
- Power over Ethernet IEEE 802.3af/at
- Hands-free two-way video Intercom; unlock door from the intercom
- Up to 3 scenes managed via PLANET Z-Wave Plus™ Gateway
- 8-zone alarm interface available for security control (DI x 6 + DO x 2)
- Standard SIP compatible with most modern IP Intercom systems
- Real-time image monitoring of home and community public cameras



**All-in-One (Access Control, Intercom & Security)** **Home Automation Management** **Full-duplex AEC & Noise Reduction**

**HD Audio In HD Quality** **PBX Integration** **One Key Unlock**

**Dedicated Video Intercom for Homes and Businesses**  
7-inch SIP Indoor Touch Screen PoE Video Intercom **VTS-700P**

# SIP Intercom & Door Phones

PLANET SIP Door Phone series is the ideal solution for communication in general-purpose outdoor and indoor environments. Its sleek and fast-to-install features are combined with advanced technology. It provides visitor communication monitoring and access control. One glance at the display panel will let you know who is standing outside your door. Then, you start a dialogue or open the door lock. In addition, with PLANET IP PBX or Z-Wave Plus Gateway, you can obtain a comprehensive system for door communication or easy integration into an existing home automation system.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- ONVIF compliant for interoperability
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Interoperable with all major IP PBX platforms
- AEC, AJB, BNE, CNG, NR, PLC, VAD
- Audio codecs: G.711 A-law,  $\mu$ -law, G.722 (wideband), G.723, G.726 and G.729AB

## HDP-1160PT

- 112-degree wide-angle HD camera with infrared light and night vision
- HD voice using wideband G.722 coding produces clearer sound
- Secure communication with TLS & Secure RTP (SRTP)
- Access Control with the electric lock (Built-in 2 short-in/out)
- IP65- and IK10-rated designed for rigorous environment
- Compatible with the Asterisk IP PBX systems or various SIP/ONVIF platforms



## HDP-5260PT

- 720p HD camera with 3 IR LEDs
- Wideband G.722 HD audio
- Anti-vandal solution
- IP65 and IK10 for rigorous environment
- -40 to 70 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password



## HDP-5240PT

- 720p HD camera with viewing angle: 110°, 95°
- Wideband G.722 HD audio
- Trouble-free installation
- IP65 for eaves environment
- -20 to 60 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password



# ATA

PLANET ATAs and IP Paging convert analog telephones and existing analog public announcement into SIP-based voice communication solutions. It supports service providers and enterprises to enhance the traditional telephony communication and extend their existing public announcement speaker service via the existing broadband connection to the Internet or corporate network. Use of PLANET's proven SIP stack enables wide compatibility with all SIP platforms.

## VIP-157S

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Up to 2 concurrent VoIP calls
- Up to 5 proxy server registrations
- Peer-to-Peer/SIP proxy (IP PBX) calls
- T.38 fax transmission over IP network
- Interoperable with all major IP PBX platforms
- Auto provisioning, TR069, VPN, VLAN and QoS



# IP PBXs

Small and medium businesses require specialized features to support their workflows. PLANET IP PBX is designed specifically for small and medium businesses. It combines an IP PBX with robust telephony features that traditional phone systems can't deliver. PLANET IP PBX is affordable, reliable, full-featured, and easy to deploy, administer, and maintain. It helps small and medium businesses dramatically reduce communications and network management costs, enhance collaboration, improve productivity, and more.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Automatic recording/One touch recording
- Multi-language, CDR and multi-layer IVR
- Intercom, paging and video call
- Call forward, transfer follow me and DND
- Ring/pick-up groups, and smart DID
- Virtual fax, voicemail to email and fax to email
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Audio codecs: G.711 A-law,  $\mu$ -law, G.722 (wideband), G.723, G.726 and G.729AB.

## IPX-330

- 15 concurrent calls and up to 30 registers
- 10 concurrent calls and up to 3 conference rooms
- Recording/Voicemail up to 600 hours
- Built-in 2 FXO interfaces



2FXO

## IPX-2100

- 30 concurrent calls and up to 100 registers
- 30 concurrent calls and up to 12 conference rooms
- Recording/Voicemail up to 600 hours
- 2 slots for maximum 8 ports for FXO/GSM



## IPX-2200

- 60 concurrent calls and up to 200 registers
- 36 concurrent calls and up to 40 conference rooms
- Recording/Voicemail up to 1,500 hours
- 2 slots for maximum 8 ports for FXO/GSM
- 10/100/1000 Gigabit Ethernet



### IPX-2500

- 100 concurrent calls and up to 500 registers
- 36 concurrent calls and up to 80 conference rooms
- Recording/Voicemail up to 75,000 hours
- 2 slots for maximum 8 ports for FXO/GSM
- Built-in HDD storage, Gigabit Ethernet



### IPX-21SL/IPX-21FO

- 4 standard two-wire, RJ11 interfaces
- Up to 4 ports for 4 POTS lines (IPX-21FO)
- Up to 4 ports for 2 POTS lines and 2 FXS connect to analog phone set (IPX-21SL)
- Loop start signaling for advanced features: caller ID and distinctive ring



For IPX-2500 / IPX-2200 / IPX-2100

### IPX-21GS

- Quad-band EGSM 850/900/1800/1900 MHz for worldwide GSM compatibility and deployments
- Up to 4 ports for 4 GSM lines
- GSM protocol stack for voice and SMS
- Loop start signaling for advanced features: caller ID and distinctive ring



For IPX-2500 / IPX-2200 / IPX-2100

### IPX-21PR

- The Primary Rate Interface (PRI) is a standardized telecommunications service level within the Integrated Services Digital Network (ISDN)
- T-carrier(T1) line in the US and Canada, and the E-carrier(E1) line in Europe.
- The T1 line consists of 24 channels, while an E1 has 32 channels.



For IPX-2500 / IPX-2200

## SIP VoIP Gateway

PLANET VGW series is easy to use for all types of businesses. The VoIP Gateway offers quality voice communications and real-time fax data over IP networks and it does not need human resources to deploy a VoIP network. With the optimized SIP architecture, VoIP Gateway provides added flexibility during migration to Unified Communications by supporting the traditional analog devices.

PLANET VoIP Gateway is the ideal choice for P2P/SIP proxy (IP PBX) voice chat, and ITSP cost-saving solution.

### VGW-420FS

- 4-line FXS connects to analog phone set or PABX



### VGW-820FS

- 8-line FXS connects to analog phone set or PABX



### VGW-1620FS

- 16-line FXS connects to analog phone set or PABX



### VGW-2420FS

- 24-line FXS connects to analog phone set or PABX



### VGW-3220FS

- 32-line FXS connects to analog phone set or PABX



## Unified Office Gateway

### UMG-1000

- 30 concurrent calls and up to 100 registers
- Built-in 4 FXO interfaces for IP PBX service
- ACL, VPN, VLAN and QoS
- Blocking DoS attack
- URL / IM / P2P blocking
- E-mail service for POP3, SMTP and IMAP
- Network storage and FTP service
- Anti-virus, Anti-spam, SPI firewall and content filter



Max.  
100 ext

## Skype Gateway

### SKG-300

- Auto detection and switching of incoming PSTN or Skype calls
- Three-way conferencing between PSTN and Skype calls
- PSTN call forward to Skype or Skype call forward to PSTN
- Support call waiting and full-duplex and echo-free sound quality



## Wireless SIP Router/ DECT Phone

### VIP-462DG

- Complies with IETE SIP (RFC 3261), and ETSI DECT
- Complies with IEEE 802.11b/g standards
- 2 identities/accounts with 1 FXS and 1 DECT handset
- PSTN lifeline for emergency calls
- SPI firewall and DoS protection
- QoS, VAD, CNG and dynamic jitter buffer
- Audio codecs: G.711 A-law,  $\mu$ -law, G.723.1 and G.729



WVoIP  
SIP