

# Internet Telephony PBX System



### *Intuitive, Ease-of-Use IP PBX Machine Management*

PLANET IPX-330 IP PBX telephony system is SIP based and optimized for small and medium businesses in daily communications. The IPX-330 is able to accept **30 user registrations**, and easy to manage a full voice over IP system with the convenience and cost advantages.

### *Off-net Calling Capability, Call Restriction, Call Access Control*

The IPX-330, integrated with 2 FXO ports, is a feature-rich PBX system that supports seamless communications between existing PSTN calls, analog, IP phones and SIP-based endpoints.

### *Replacing old PBX directly without any additional cable*

Cost-effective, easy-to-install and simple-to-use, the IPX-330 converts standard telephones into PoE IP based networks. It enables the service providers and enterprises to offer users traditional and enhanced telephony communication services via the existing broadband connection to the Internet or corporation network.

With the IPX-330, home users and companies are able to save the installation cost and extend their past investments in telephones, conferences and speakerphones. The IPX-330 can be the bridge between traditional analog systems and IP network with an extremely affordable investment.



### System Highlights

- 10 concurrent calls and up to 30 registers
- HD voice codec G.722 to perfect voice quality
- Fax to Email / Email to Fax for green office
- Voicemail to Email for not missing any important message
- Paging and intercom function strengthens work efficiency
- Built-in SIP Proxy Server following RFC 3261
- Multiple Language of GUI for international business
- Web based Control Panel for easy configuration and management of the system
- Strong security features protect your system from hacking
- Supports 2 port FXO
- IEEE 802.3af PoE compliance

### Codec and Protocol

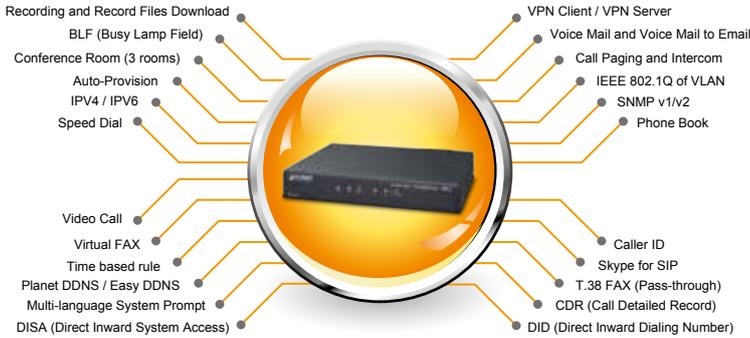
- SIP 2.0 (RFC3261) / IAX2 compliant
- Audio Codec: G.722 / G.711-Ulaw / G.711-Alaw / G.726 / G.729 / GSM / SPEEX
- Video Codec: H.261 / H.263 / H.263+ / H.264
- DTMF: RFC2833, SIP INFO, In-band

### Network and Security Features

- DDNS Client (PLANET DDNS)
- DHCP Server / SNMP v1/v2
- IEEE 802.1Q of VLAN
- Supports IPv6 in addition to IPv4
- Manual Configuration of Static Route Table
- Troubleshooting (Ping, Traceroute)
- VPN Client (Supports N2N / L2TP / PPTP / OpenVPN)
- VPN Server ( Supports PPTP / L2TP / OpenVPN Server)
- Refuses SIP Register DoS
- Refuses Abort Invite DoS
- Refuses SSH Login DoS
- Firewall / SRTP

**Distributed VoIP Network Infrastructure**

For the new generation communication age, the IPX-330 supports IPv6 and VPN (client / server) connection to provide users with more flexible and advantage communication products. With PLANET DDNS function, the IPX-330 also helps users to apply and remember the login information easier. Moreover, its multiple language feature helps user to quickly and friendly manage the system.



**Standard Compliance**

Compliant with the Session Initiation Protocol 2.0 (RFC 3261), the IPX-330 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**



**Green IP Office**

The Fax to Email / Email to Fax service by the IPX-330 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.



**Green Office (Fax to Email / Email to Fax)**

**PBX Features**

- Black List
- BLF (Busy Lamp Field)
- CDR (Call Detailed Record)
- Conference Room (3 rooms)
- DID (Direct Inward Dialing Number)
- DISA (Direct Inward System Access)
- DND / Feature Codes / Flash Operation Panel
- Follow Me / Auto-Provision
- IVR (Interactive Voice Responses)
- Multi-language System Prompt
- Multiple-language GUI
- Phone Book / PIN Set
- Record Files Download
- Ring Group / SIP Trunk
- Skype for SIP / Smart DID / System Log
- T.38 Fax (Pass-through) / Time based rule
- Virtual Fax / Voicemail & Voice Mail to E-Mail

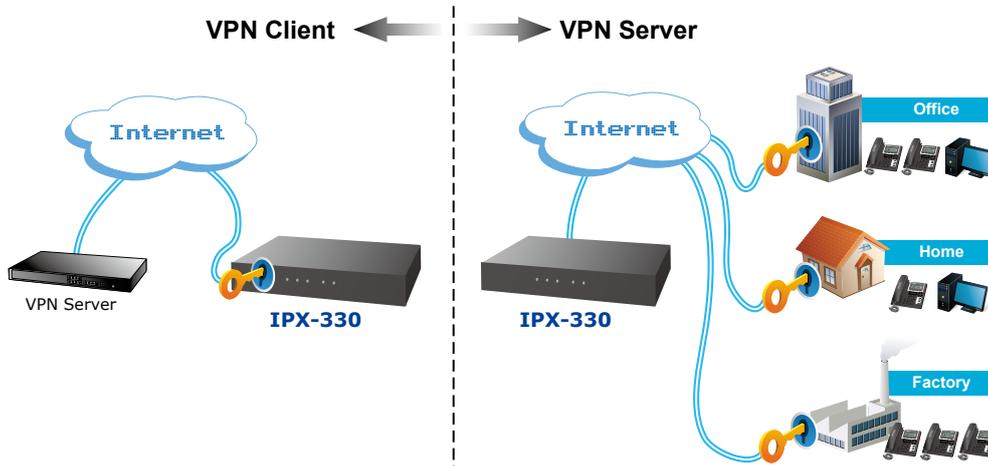
**Call Features**

- Call Back / Call Forward / Call Group
- Call Hold / Call Paging and Intercom
- Call Park / Call Pickup / Call Queue
- Call Record / Call Route / Blind Transfer
- Attend Transfer / Call Waiting
- Caller ID / Dial by Name
- Customized IVR / on hold music / Transfer
- Three-way Conferencing / Video Call

*Full Security with VPN Support*

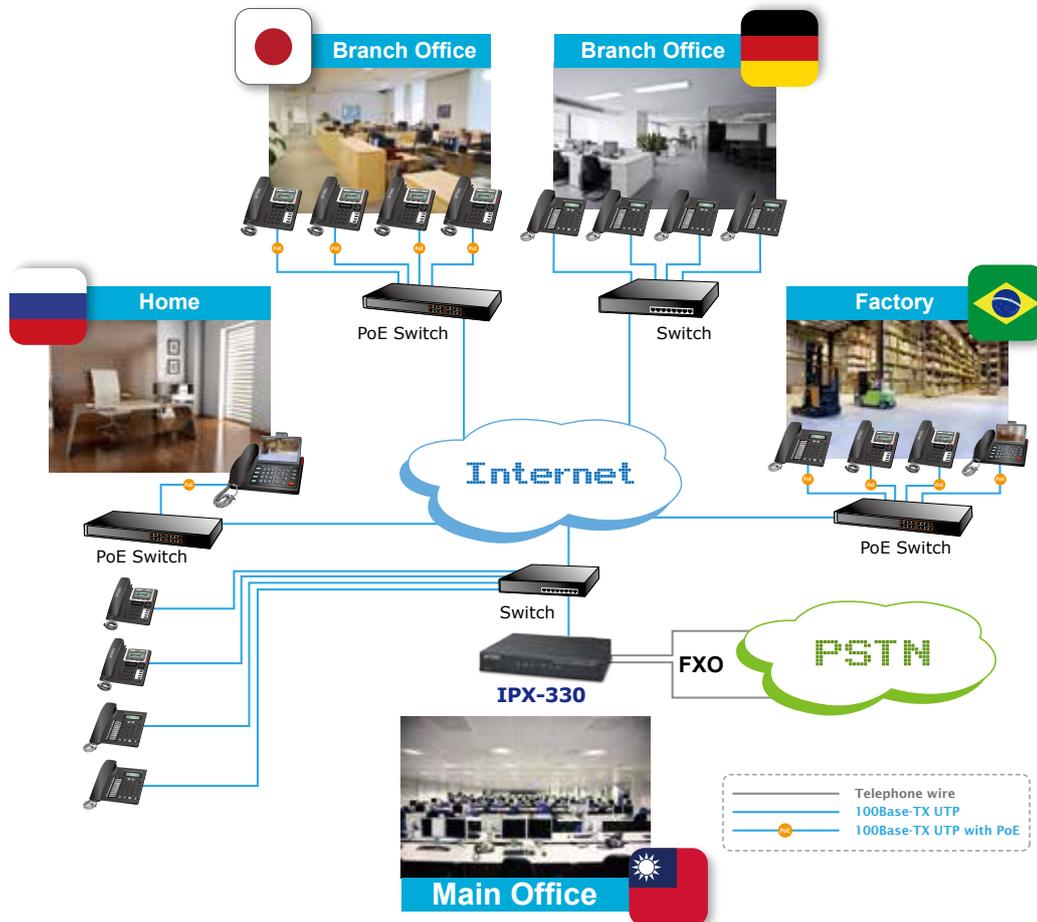
The IPX-330 provides VPN to securely and cost-effectively connect geographically disparate offices of an organization, creating one cohesive virtual network. The VPN technology of the IPX-330 is also used by ordinary Internet users to connect to proxy servers for the purpose of protecting one's identity. It includes VPN server and client function that can support users' full security login.

**Supports VPN Client and VPN Server**



**Applications**

The IPX-330 provides the essential features you need for business-class voice communications in an easy-to-manage solution. Designed for medium-sized businesses with branch offices, the IPX-330 voice, conferencing, mobility, voice gateway, and IP PBX services are created on a single appliance.



## Specifications

Model	IPX-330
<b>Hardware</b>	
Ethernet	1 x 10/100Mbps RJ-45 port
Analog Ports	2 x FXO
Reset button	Reset to factory default
<b>Protocols and Standard</b>	
Standard	SIP 2.0 (RFC3261), IAX2
Protocols	RFC 793 TCP RFC 826 ARP RFC 1034, 1035 DNS RFC 1631 NAT RFC 2068 HTTP RFC 2131 DHCP RFC 2516 PPPoE RFC 3261, RFC 3311, RFC 3515 RFC 3265, RFC 3892, RFC 3361 RFC 3842, RFC 3389, RFC 3489 RFC 3428, RFC 2327, RFC 2833 RFC 2976, RFC 3263
Voice Codec	G.722 / G.711-Ulaw / G.711-Alaw / G.726 / G.729 / GSM / SPEEX
Video Codec	H.261/ H.263 / H.263+ / H.264
Fax over IP	T.38 Fax (Pass-through)
Voice Processing	DTMF detection and generation In-Band and RFC 2833, SIP INFO
Protocols	SIP 2.0 (RFC 3261), TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, PPP, PPPoE
<b>Internet Sharing</b>	
Network Features	DDNS Client (PLANET DDNS and Easy DDNS) DHCP Server / SNMP v1/v2 IEEE 802.1Q of VLAN IP Assignment (PPPoE / DHCP / Static) IPv4 / IPv6 Manual Configuration of Static Route Table Trouble Shooting (Ping, Traceroute) VPN Client (Supports N2N / L2TP / PPTP / OpenVPN) VPN Server (PPTP / L2TP / OpenVPN Server)
Security Features	Refuses SIP Register DoS Refuses Abort Invite Dos Refuses SSH Login DoS Firewall / SRTP
<b>Features</b>	
PBX Features	Black List BLF (Busy Lamp Field) CDR (Call Detailed Record) Conference Room (3 rooms) DID (Direct Inward Dialing Number) DISA (Direct Inward System Access) DND / Feature Codes / Flash Operation Panel Follow Me / Auto-Provision IVR (Interactive Voice Responses) Multi-language System Prompt Multiple-language GUI Phone Book / PIN Set Record Files Download Ring Group / SIP Trunk Skype for SIP / Smart DID / System Log T.38 Fax (Pass-through) / Time based rule Virtual Fax / Voicemail & Voice Mail to Email
Call Features	Call Back / Call Forward / Call Group Call Hold / Call Paging and Intercom Call Park / Call Pickup / Call Queue Call Record / Call Route / Blind Transfer Attend Transfer / Call Waiting Caller ID / Dial by Name Customized IVR / on hold music / Transfer Three-way Conferencing / Video Call

System Capacity	
System Capacity	10 Concurrent Call Legs Up to 30 IP Phone Registers/Extensions Recording (GSM/ default): 21,000 minutes; Wav: 3000 minutes Voicemail (GSM/ default): 21,000 minutes; Wav: 3000 minutes
Network and Configuration	
Access Mode	Static IP, PPPoE, DHCP
LED Indications	SYS: 1, LNK/Off ETH: 1, LNK/Off PWR: 1, LNK/Off FXO: Red
Dimensions (W x D x H)	155 x 295 x 65 mm
Operating Environment	-10~45 degrees C, 10~80% humidity
Power Requirements	Input: 100 ~ 240 Vac Output: DC 12V / 1.0 A (IEEE 802.3af Support)
EMC/EMI	CE, FCC Class B, RoHS

## Ordering Information

IPX-330	Internet Telephony PBX System (30 SIP User Registrations)
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## Related Products

IPX-2100	Internet Telephony PBX System (100 SIP User Registrations)
VIP-157	1 FXS / 1 FXO SIP Analog Telephone Adapter
VIP-157S	2 FXS Analog Telephone Adapter
VIP-156	SIP Analog Telephone Adapter
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-256PT	802.3af PoE SIP IP Phone (2-Line)
VIP-362WT	802.11n Wireless Desktop IP Phone
VIP-2020PT	Enterprise HD PoE IP Phone (2-Line)
VIP-5060PT	Professional HD PoE IP Phone (6-Line)
ICF-1700	Touch Screen Internet Multimedia Phone
VIP-281 series	2-Port H.323 / SIP VoIP / GSM Gateway
VIP-480 series	4-Port H.323 / SIP VoIP Gateway
VIP-880 series	8-Port H.323 / SIP VoIP Gateway
VIP-1680 Series	16-Port H.323 / SIP VoIP Gateway
VIP-2480 Series	24-Port H.323 / SIP VoIP Gateway
VGW-400 Series	4-Port SIP VoIP Gateway
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-Port FXO)

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