Internet Telephony PBX System

PLANET IPX-1980 IP PBX telephony system is SIP based and optimized for the small and medium business in daily communications. The IPX-1980 is able to accept 100 user registrations, and easy to manage a fully voice over IP system with the convenience and cost advantages.

Based on state-of-the-art embedded technology, the IPX-1980 provides a solid, uniform platform for voice as well as data network communications. It offers a seamlessly integrated solution for the up-to-date telecommunication needs. Being more flexible, the IPX-1980 integrates up to **8 FXO ports** to become a feature-rich PBX system that supports smooth communications between existing PSTN calls, analog phones, IP phones and SIP-based endpoints.

The IPX-1980 integrates **NAT** functions to make it perfect for small business usage. Besides traditional PBX system functions, it provides many advanced functions including **voice mail to email**, **web management** and etc. Designed to run on a variety of VoIP applications, the IP PBX provide IP-based communications, voice conferencing, support **paging/intercom**, **call monitoring** and **BLF (Busy Lamp Field) functions**. It also supports **call detailed record (CDR),** centralized Auto-Attendant (AA), and **Interactive Voice Responses (IVR)**. The IPX-1980 utilizes standard PSTN lines via the interfaces of gateway to support seamless communications among local calls, SIP-based endpoints including low cost long distance call service, telephone number portability and one network for both voice and data.

With the IPX-1980, standard SIP phones can be easily integrated in your office. Users may build up the VoIP network in minutes by applying the IPX-1980 with PLANET IP Phone series, ATA (Analog Telephone Adapter) series and Gateway series. Allowing distributed IP technology to meet traditional voice services with proactive managed interface, the IP PBX IPX-1980 supports daily business processes more efficient and productive.

KEY FEATURES

PBX FEATURES

- 30 Concurrent calls / Up to 100 registers

- BLF (Busy Lamp Field)

- DID (Direct Inward Dialing Number)

- Conference Room

- Automated Attendant (AA)

- Interactive Voice Responses (IVR)

- Built-in voice mail server

- DISA (Direct Inward System Access)

- User Management via Web Browsers

- Display 100 Registered User's Status: Unregistered / Registered / On-Call

- Multiple Service Providers Lines / SIP Accounts (10)

- Simultaneous Trunk Links: 10 concurrent trunk calls

- Analog/GSM, VoIP Trunk, Peer Trunk Management

- Two-stage / One-stage call to Trunk by Trunk Group Configuration

- Built in 8 port FXO

- By adding external FXO analog gateway to use Terminal trunk Line

- By adding external GSM VoIP gateway to use GSM trunk line

- Built-in SIP Proxy Server Following RFC-3261
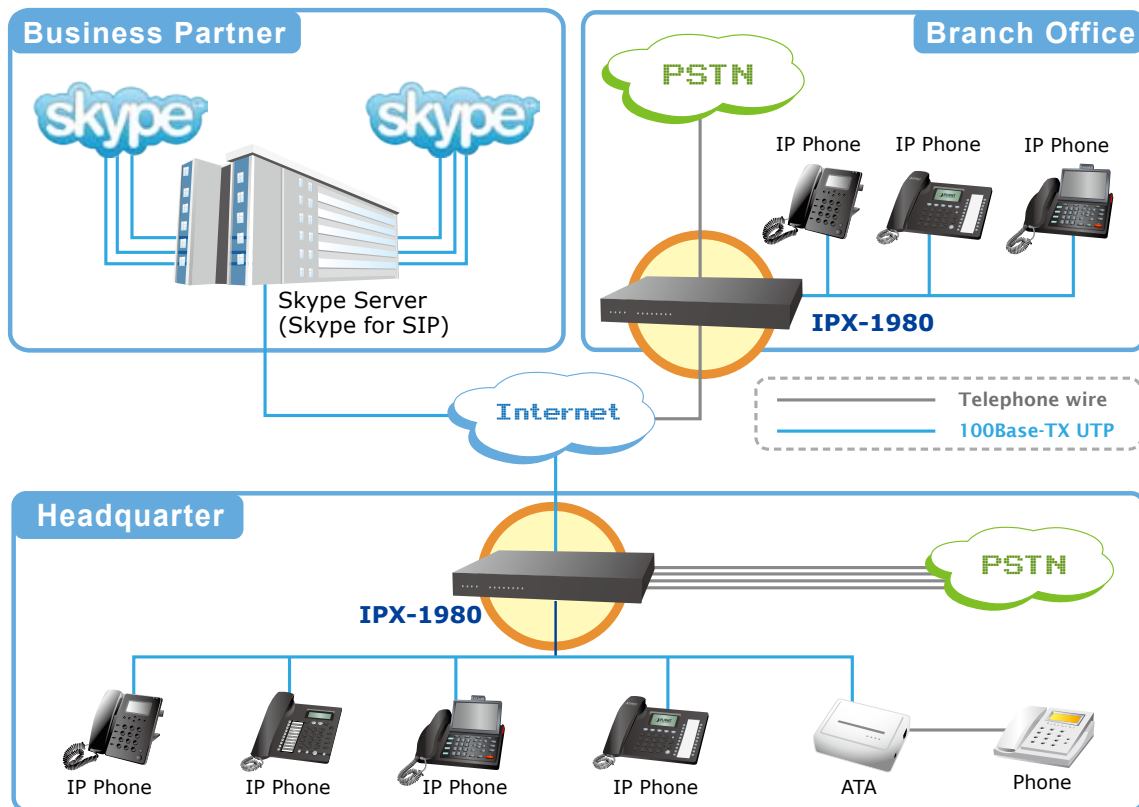
CALL FEATURES

- Call Paging and Intercom

- Call Forward Immediate

- Call Forward on Busy

- Call Forward on No Answer

- Call Pickup / Call Park

- Call / Pickup Group

- Caller ID / T.38 (Pass Through)

- Music on Hold / Music on Transfer

- Call Transfer / Call Hold / Call Waiting

- Call Queue

- 3-Way conference with feature phones

- Call Monitoring

- *OTHER FEATURES*

- Supports Skype for SIP

- DDNS Client (Supports Planet DDNS / Dyndns.org / Zoneedit.com)

- Trouble Shooting (Ping, Traceroute)

- Auto Provision

- VPN Client (Supports N2N / L2TP)

- Black List / Phone Book

APPLICATIONS

Get the essential features you need for business-class voice communications in an easy-to-manage solution. Designed for medium-sized businesses with branch offices, PLANET IPX-1980 voice, conferencing, mobility, voice gatway, and IP PBX services on a single appliance.

SPECIFICATION

Product	Internet Telephony PBX System
Model	IPX-1980
Hardware	
LAN	1 x 10/100Mbps RJ-45 port
WAN	1 x 10/100Mbps RJ-45 port
FXO	8 x RJ-11 connection
Protocols and Standard	
Protocols and Standards	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
Management	HTTP Web Browser
Internet Connection Type	Fixed IP, PPPoE, DHCP client
Call control	SIP 2.0 (RFC3261) , SDP (RFC 2327), Symmetric RTP
Registration	Max. 100 nodes / SIP IP phones / ATA / Voice Gateways / Video phone
Calls	Max. 30 concurrent calls
Voice Codec Support	G.711-Ulaw, G.711-Alaw, G.726, G.729GSM, SPEEX
Video Codec	H.261, H.263, H.263+, H.264
Voice Processing	DTMF detection and generation In-Band and RFC 2833, SIP INFO
PBX features	30 Concurrent calls / Up to 100 registers BLF (Busy Lamp Field) DDNS Client (Supports Planet DDNS / Dyndns.org / Zoneedit.com / No-ip.com) VPN Client (Supports N2N /L2TP) DID (Direct Inward Dialing Number) Conference Room Automated Attendant (AA) Interactive Voice Responses (IVR) Built-in voice mail server DISA (Direct Inward System Access) User Management via Web Browsers Display 100 Registered User's Status: Unregistered / Registered / On-Call Multiple Service Providers Lines / SIP Accounts (10) Simultaneous Trunk Links: 10 concurrent trunk calls Analog/GSM, VoIP Trunk, Peer Trunk Management Two-stage / One-stage call to Trunk by Trunk Group Configuration Built in 8 FXO PSTN trunk By adding external FXO analog gateway to use Terminal trunk Line Built-in SIP Proxy Server Following RFC-3261 Fax Support using T.30 or T.38 Pass-Through ** Multiple Language: Chinese, English, Portugal
Call features	Call Paging and Intercom Caller ID Call Group Call Hold Call Waiting Call Transfer Call Forward (Always, Busy, No Answer) Call Pickup Call Park Call Resume Call Queue Music on Hold 3-Way conference with feature phones VIP-256 series, VIP-255PT, VIP-361PE, VIP-362WT, and the ATA (Analog Telephone Adapter) VIP-156, VIP-157

Internet Sharing	
Protocol	TCP/IP, UDP / RTP / RTCP, HTTP, ARP, NAT, DHCP, PPPoE, DNS
Other Function	DDNS, Ping test, Auto Provision
Connection Type	Static IP, PPPoE, DHCP
Management	HTTP Web Browser
LED Indications	System: 1, PWR, 1, SYS, 8 FXO Ports WAN:1, LNK/Off LAN:1, LNK/Off
Environment	
Dimension (W x D x H)	240 x 368 x 82 mm
Operating Temperature	-10 ~ 45 Degree C, 10 ~ 80% humidity
Power Requirement	12V DC
EMC/EMI	CE, FCC Class B, RoHS

Remark: ** T.30/ T.38 support depends on fax machine, SIP provider and network / transport resilience.

ORDERING INFORMATION

IPX-1980	Internet Telephony PBX System

RELATED PRODUCTS

VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-156	SIP Analog Telephone Adapter
VIP-157	1 FXS / 1 FXO SIP Analog Telephone Adapter
VIP-157S	2 FXS SIP Analog Telephone Adapter
VIP-255PT	Multi–Language PoE IP Phone
VIP-256PT	802.3af PoE SIP IP Phone
VIP-256T	SIP IP Phone
VIP-361PE	Professional PoE IP Phone (5-Line)
VIP-362WT	802.11n Wireless Desktop IP Phone
VIP-560PT	Professional PoE IP Phone
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-Port FXO)