

Internet Telephony PBX System



PLANET IPX-1900 IP PBX telephony systems is designed and optimized for the small business in daily communications. The IPX-1900 is able to accept 300 user registrations, and easy to install and manage a fully working system with the convenience and cost advantages. The PLANET IPX-1900 is applicable for variety of VoIP applications including centralized call control, auto-attendant, voice conferencing, and PSTN access, digital and IP-based communications.

Based on state-of-the-art embedded technology, the IPX-1900 provides a solid, uniform platform for voice communications as well as data network communications. The IPX-1900 offers a seamlessly integrated solution for the up-to-date telecommunication needs. The future IP PBX telephony system offers all of the essential features of telephony which are required to fulfill the telecommunication/data needs of small business/ enterprise users.

Being more flexible, the IPX-1900 integrates up to 4 calls via the IPX-19FO (2*FXO) / IPX-19FS (2*FXS) / IPX-19SL (1FXO+1FXS) module to become a feature-rich PBX system that supports seamless communications between existing PSTN calls, analog, IP phones and SIP-based endpoints.

The IP PBX is the feature-rich SIP based IP PBX telephony system that integrates NAT functions to make it perfect for small business usage. The IP PBX integrates traditional PBX system functions and provides many advanced functions including voice mail to email, web management etc.

Designed to run on a variety of VoIP applications, the IP PBX provides IP-based communications, voice conferencing, and call detailed record (CDR), centralized Auto-Attendant (AA), and Interactive Voice Responses (IVR). The IP PBX utilizes standard PSTN/GSM lines via the interfaces of FXO/GSM gateway to become a feature-rich IP PBX telephony system that supports seamless communications among existing local calls, SIP-based endpoints including low cost of long distance service, telephone number portability and one network for both voice and data.

With the IP PBX, standard SIP phones can be easily integrated in your office. Users may integrate PLANET IP Phone VIP-254T series, VIP-255PT/ 350PT/ 550PT, the VIP-156/ 157/ 158/ 161W of ATA (analog telephone adapter) series, the VIP-191/ 192 of Wi-Fi Phone, and Gateway series VIP-281/ 281GS/ 480 to build up the VoIP network in minutes. Allowing distributed IP technology to meet traditional voice services, with the IPX-1900 proactive management interface in the daily business process, it brings enterprises higher employee productivity and customer satisfaction.

KEY FEATURES

PBX FEATURES

- Customization Automated Attendant (AA)
- Interactive Voice Responses (IVR)
- Voicemail support (VM)
- Call Detailed Record (CDR)
- User Management via Web Browsers
- Call / Pickup Group
- Display 300 Registered User's Status: Unregistered / Registered / On-Call
- Multiple Service Providers Lines / SIP Accounts (30)
- Simultaneous Trunk Links: 30 concurrent trunk calls
- SIP Trunk / Gateway Trunk / FXO Trunk Management
- Two-stage / One-stage call to Trunk by Trunk Group Configuration
- Build in 2 / 4 FXO PSTN trunk (Modular)
- 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
- Support password authentication using MD5 digest and RFC2833 for DTMF Relay
- Asterisk Compatible IP PBX

CALL FEATURES

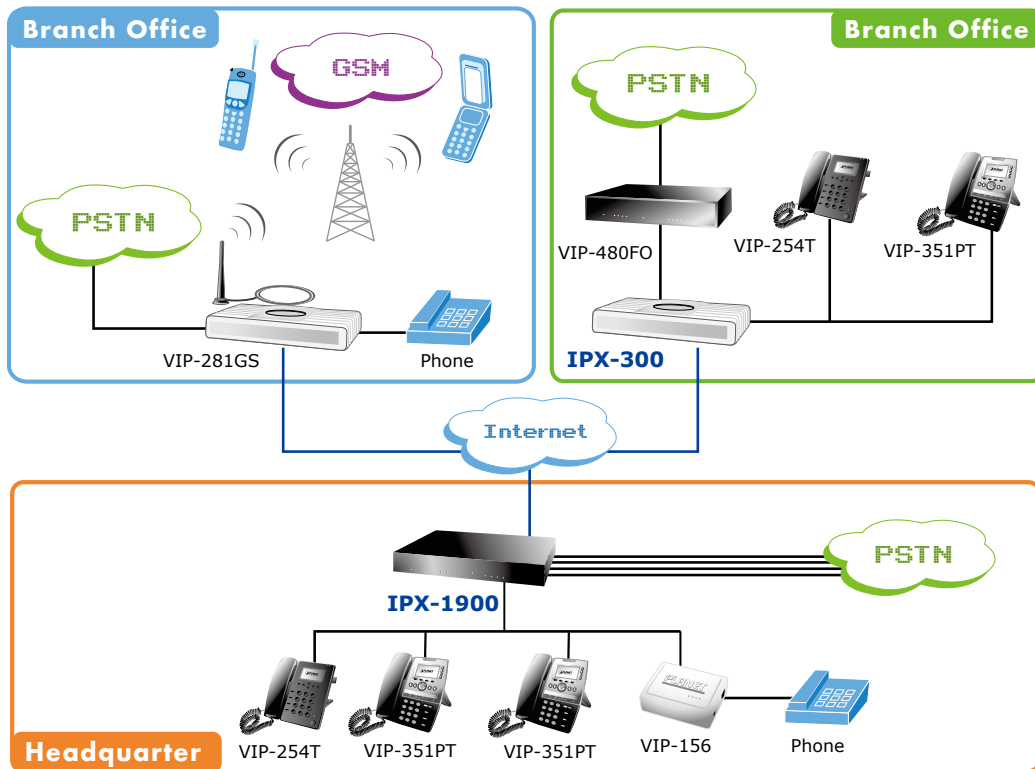
- Call Forward Immediate
- Call Forward on Busy
- Call Forward on No Answer
- Call Pickup / Call Park
- Caller ID / T.38 FoIP
- Music on Hold / Music on Transfer
- Call Transfer / Call Hold / Call Waiting
- Three-way conference with feature phones

ROUTER FEATURES

- DHCP Server for LAN Users
- Packet / URL Filter Virtual Server / DMZ/ Port Trigger
- Static Route
- NAT/Bridge mode
- UPnP

APPLICATIONS

IPX-1900 intra office voice communication



SPECIFICATION

Product	Internet Telephony PBX System
Model	IPX-1900
Hardware	
LAN	4 RJ-45 (10/100Base-TX, Auto-Sensing/Switching)
WAN	1 RJ-45 (10/100Base-TX, Auto-Sensing/Switching)
Standards and Protocol	
Call control	SIP 2.0 (RFC3261) , SDP (RFC 2327), Symmetric RTP
Registration	Max. 300 nodes / SIP IP phones / ATA / FXO gateways
Calls	Max. 60 concurrent calls
Voice CODEC Support	G.723, G.726, G.729, G.711, GSM, iLBC
Voice Processing	DTMF detection and generation In-Band and Out-of-Band (RFC 2833), (SIP INFO) Supports password authentication using MD5 digest
PBX features	Customization Auto Attendant (AA) Customization Interactive Voice Response (IVR) Records IVR via IP Phone Voicemail Support (VM) Voicemail Send to E-mail Call Detailed Record (CDR) User Management via Web Browsers Web Firmware Upgrade Backup and Restore Configuration file Call/Pickup Group Displays Registered User's Status: Unregistered / Registered / On-Call Displays Registered Trunk's Status: Unregistered / Registered Fax Support using G.711 Pass-Through or T.38
Call features	Caller ID Call Group Call Hold Call Waiting Call Transfer Call Forward (Always, Busy, No Answer) Call Pickup Call Park Call Resume Music on Hold Three-way conference with feature phones
Internet Sharing	
Protocol	TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, NAT, DHCP, PPPoE, DNS
Advanced Function	NAT/Bridge mode, DHCP server, Static Route, DMZ, Virtual Server, Port Trigger, Packet / URL Filter, UPnP, DDNS, SNMP, Ping test
Network and Configuration	
Connection Type	Static IP, PPPoE, DHCP
Management	HTTP Web Browser
LED Indications	System: 1, PWR WAN: 1, LNK/ACT LAN: 4, LNK/ACT Line: 4, In-Use/Ringing
Environment	
Dimension (W x D x H)	340 x 159 x 39 mm
Operating Temperature	0~40 Degree C, Humidity (RH) 10~80% non-condensing
Power Requirement	12V DC
EMC/EMI	CE, FCC Class B

ORDERING INFORMATION

IPX-1900	Internet Telephony PBX system (300 user registrations, 2 slots)
IPX-19FO	2-Port FXO module for IPX-1900 (2FXO)
IPX-19FS	2-Port FXS module for IPX-1900 (2FXS)
IPX-19SL	2-Port Life-Line module for IPX-1900 (1FXO+1FXS)

AVAILABLE MODULES

VIP-156	SIP Analog Telephone Adapter (2 x RJ-45, 1 x RJ-11)
VIP-156PE	SIP Analog Telephone Adapter with 802.3af splitter built-in (2 x RJ-45, 1 x RJ-11)
VIP-157S	VoIP Analog Telephone Adapter (2*FXS)
VIP-158	SIP Telephone Adapter
VIP-161SW	Wi-Fi VoIP Analog Telephone Adapter (2*FXS)
VIP-191	802.11b/g Smart Wi-Fi Phone
VIP-192	802.11b/g Wi-Fi Phone
VIP-254T	SIP IP Phone
VIP-254PT	802.3af PoE SIP IP Phone
VIP-255PT	PoE IP Phone
VIP-351PT	Enterprise PoE IP Phone (4-Line)