

# Internet Telephony PBX System



As a direct feedback for customer demands, and with years of Internet telephony products manufacturing experiences, PLANET proudly introduces the new IP extension integration in our Internet PBX system - IPX-1000.

With the new IP extension capability, the IPX-1000 is able to provide 2 CO lines (FXO interface, also called outside lines or trunk lines), 4 extension lines (FXS interface, also called inside lines or station lines), and 4 IP extensions for more capacity and installation flexibility.

The IPX-1000 is a full-function PBX system with extra built-in features, such as auto-attendant, voicemail, VoIP, and various network services. IPX-1000 provides a solid, uniform platform for both voice communications as well as data network communications. Based on state-of-the-art embedded technology, IPX-1000 offers a seamlessly integrated solution for the telecommunication needs in modern times. IPX-1000 is an ideal choice of cost saving solution for SOHO and SMB. IPX-1000. All these telephony ports are analog with no special and proprietary hardware limitations for connections. Furthermore, IPX-1000's conventional telephony functions are implemented over the POTS (Plain Old Telephone Service) wiring infrastructure.

IPX-1000 does not utilize the network for conventional telephony functions, so it adds no load to the network and is not subject to network conditions/failures.

Conventional telephony features such as auto attendant, voicemail with personal greeting message, automatic roll over, call forwarding, CO line usage logging, and toll restriction in IPX-1000 not only maintain the existing telephony system, but also introduce the new infrastructure into the communication field. VoIP functions are transparently integrated with conventional telephony functions in the IPX-1000 design, and a uniform user interface is provided for both conventional and VoIP functions. Besides, IPX-1000 provides router service, IP sharing (NAT), firewall, DHCP server and QoS support to meet all the demands in your office network.

## KEY FEATURE

- *IP extension support*

Users may connect up to 4 H.323 IP phones, such as the VIP-103T to extend the capacity, and establish your SOHO telephony communications. maximum up to 8 extension lines (4 RJ-11 ext. and 4 IP ext.)

- *Distributed VoIP network infrastructure*

Based on the distributed architecture concept, VoIP extensions in IPX-1000 are off-premises extensions reachable through VoIP peripherals. You can call a VoIP extension by dialing a simple extension number as if you are dialing a local extension

- *Off-net calling capability, call restriction, call access control*

Off-net security controls in IPX-1000 can prevent improper VoIP usage and all incoming off-net calls with unknown privilege. If the incoming off-net calls are with unknown privilege, VoIP administrator may ensure the proper usage of your VoIP and save your cost

- *Replaces old PBX directly without requiring any new wiring to be put in*

Telephony interfaces in IPX-1000 are analog ones, no special or proprietary hardware is required to build up the connection, IPX-1000 saves the TOC for SOHO and SMB

- *Intuitive, ease-of-use web machine administration voice communications*

The network administrator can configure and manage IPX-1000 via standard web browser anywhere around the world

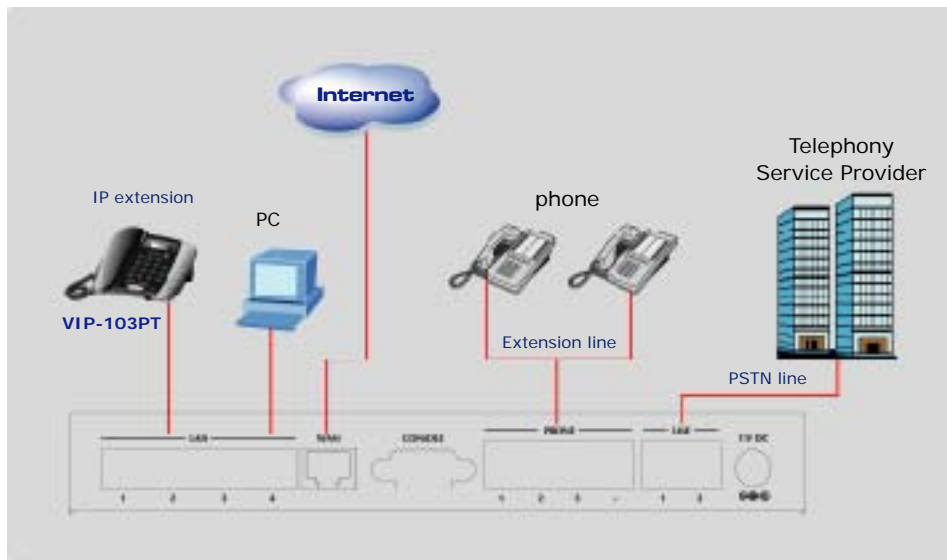
- *VoIP quality with QoS (Quality of Service) support*

With guaranteed bandwidth network QoS management, IPX-1000 provides superior voice quality in a congested network environment

**SPECIFICATION**

Product	Internet Telephony PBX System
Model	IPX-1000
<b>Hardware</b>	
LAN	4 (10Base-T/100Base-TX, Auto-Negotiation)
WAN	1 (10Base-T/100Base-TX, Auto-Negotiation)
Telephony ports	6 RJ-11 (4 FXS for extension, 2 FXO for CO/PSTN line connection)
<b>Standards and protocol</b>	
Call control	H.323
Voice CODEC support	G.723.1 ACELP/M-MLQ (5.3, 6.3kbps), G.729A CS-ACELP (8kbps)
Voice processing	Voice Active Detection, DTMF detection/generation, G.165/G.168 echo cancellation (ECN) (16mSec.), Comfort noise generation (CNG), Gain Control
<b>Internet Sharing</b>	
Protocol	TCP/IP, NAT, DHCP, HTTP, DNS
Advanced Function	Port mapping, DMZ, policy based firewall, QoS
Management	HTTP
<b>Environment</b>	
Operating Temperature	0~50 degree C, 10~90% humidity
Power Requirement	12V DC
EMC/EMI	CE, FCC
<b>Network and Configuration</b>	
Connection type	Static IP, PPPoE, DHCP
Management	Web, Utility

**APPLICATIONS**



**ORDERING INFORMATION**

IPX-1000	Internet Telephony PBX System (2 CO lines, 4 extension lines, 4 IP extension)
<b>Related Products</b>	
VIP-103PT	H.323 IP Phone (with IP extension support)