



IPX-1000

Internet Telephony PBX system

As the growth of broadband communications turns more and more popular, deploying VoIP peripherals is gradually essential for users.

With years of Internet telephony and router manufacturing experiences, PLANET proudly introduces the latest PLANET VoIP product - Internet PBX system - IPX-1000.

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 provides 2 CO lines (FXO interface, also called outside lines or trunk lines) and 4 extension lines (FXS interface, also called inside lines or station lines). 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.

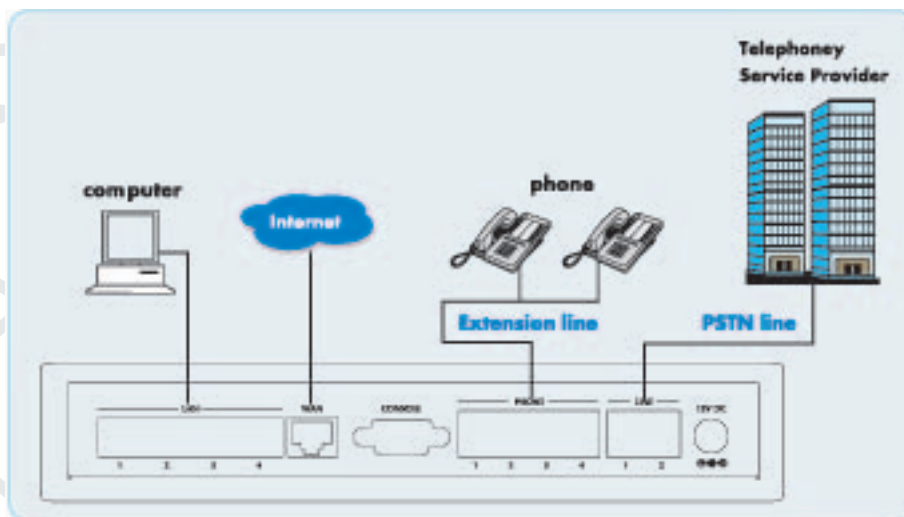
IPX-1000 does not utilize the network for conventional telephony functions, so it adds no load to the network and is not subject to network conditions/failures.

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 an 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

- ❑ ***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.
- ❑ ***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 prevents improper VoIP usage and all incoming Off-Net calls with unknown privilege. If the incoming Off-Net calls are in not pre-fined patterns, 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 required to build up the connection, IPX-1000 save the TOC for SOHO and SMB, and return the most benefit to you.
- ❑ ***Intuitive, ease-of-use web machine management***
The network administrator can configure and manage IPX-1000 via standard web browser anywhere around the world.

Product	Internet Telephony PBX system
Model	IPX-1000
Hardware Specification	
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)
Speed	Gigabit Ethernet 2000Mbps for full-duplex
Standards and protocol	
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
Internet Sharing	
Protocol	TCP/IP, NAT, DHCP, HTTP, DNS
Advanced Function	Port mapping, DMZ, policy based firewall, QoS
Management	HTTP
Environment	
Operating Temperature	0~50 degree C, 10~90% humidity
Power Requirement	12V DC
EMC/EMI	CE, FCC
Network and Configuration	
Connection type	Static IP, PPPoE, DHCP
Management	Web, utility



ORDERING INFORMATION

- **IPX-1000** Internet Telephony PBX system (4 extension lines, 2 CO lines)



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