SmartVoice
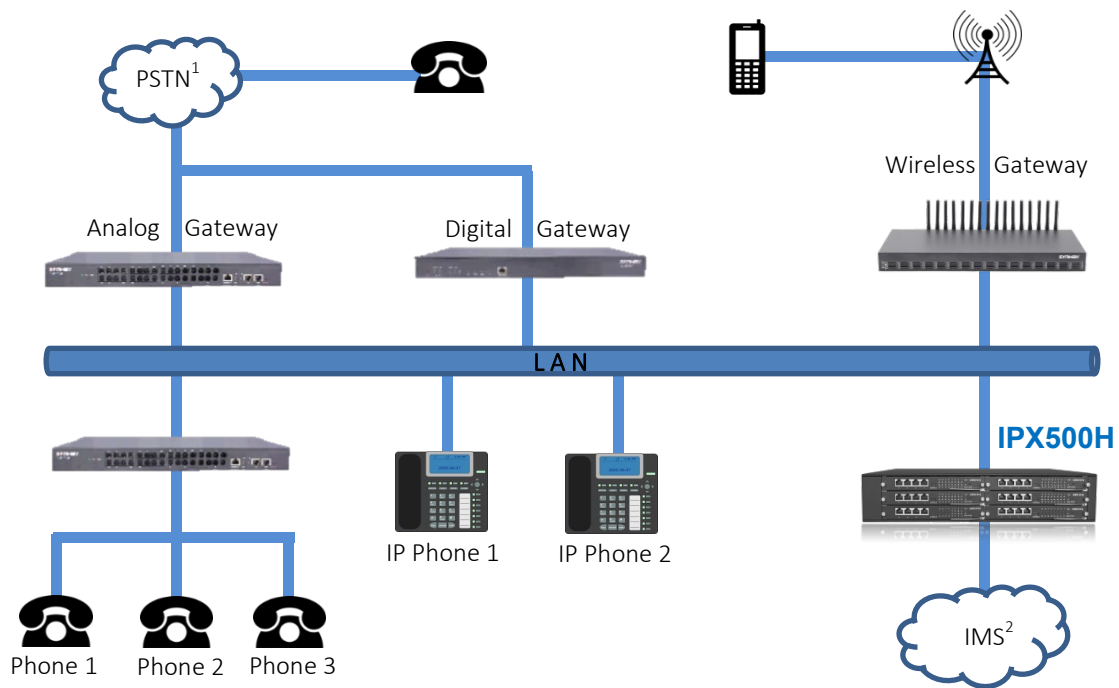*Digital Multi-channel Voice Logging System*

IPX500H

All-Around IP PBX System for Businesses of All Needs

Overview

The IPX500H is a versatile IP-PBX designed to bring the highest level of communication services to all businesses no matter small or large. Capable of supporting up to 1,000 users, IPX500H has the hardware and software ability to provide fast and efficient service. The IPX500H includes a variety of features such as routing, queuing, forwarding and many more. Its simple user interface makes it easy to use and data can be stored physically or virtually. Security is at the upmost importance; all data are guarded with the highest level of security.

Features

- Integrated modular design: interface with T1/E1/FXO/FXS/GSM/WCDMA/VoLTE
- Supports up to a limitless-level IVR (Interactive Voice Response)
- Supports call queue for efficient call volume management
- Supports voicemail and fax forwarding to email
- Integrated LDAP and XML phonebooks, flexible dial plan
- Highest level of security protection using SRTP, TLS and HTTPS encryption
- Hi-speed network ports with Integrated NAT router and built-in firewall
- Multi-language auto-attendant to efficiently handle incoming calls
- Optional industrial servers to run any add-on third-party applications

NETWORK MAP

PSTN[1]

Analog Gateway

Digital Gateway

Wireless Gateway

L A N

IPX500H

IP Phone 1   IP Phone 2

Phone 1   Phone 2   Phone 3

IMS[2]

Easy Usage

We aim to make our services as easy to use as possible. The IPX500H can be easily set up and ready to use without the need for hours of training. Functions can be used as easily as with the click of a button.

High Compatibility

Your PBX, your way. Want a virtual machine running in your PBX? Or have it utilize its own SIM card? IPX500H is flexible to suit the needs of your organization's needs.

Efficient

Through the use of complex algorithms, IPX500H makes sure your system is allocating its resource effectively and running at peak efficiency.

Security

We take security seriously. IPX500H includes security mechanisms such as dynamic firewall, personal password, PIN code and more so that you can protect yourself from threats.

Specifications

Interfaces	
Analog Telephone FXS Ports	16 ports (both with lifeline capability in case of power outage)
PSTN Line FXO Ports	16 ports (IPX500H)
Wireless Ports	8 ports (GSM/WCDMA/VoLTE)
Digital Trunking	1/2/4E1/T1 (PRI ISDN/SS7)
Network Interfaces	Dual (IPX500H) 100/1000M RJ45 ports
Nat Router	Yes (IPX500H)
Peripheral Ports	USB, TF
LED Indicators	Power/Ready, Network, PSTN Line, USB, TF
Reset Switch	Yes
Voice / Video Capabilities	
Voice-over-Packet Capabilities	LEC with NLP Packetized Voice Protocol Unit, 32~128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer
Voice and Fax Codecs	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, GSM, AAL2-G.726-32; T.38
Video Codecs	H.264, H.263, H263
QoS	Multiple Layers
Signaling & Control	
DTMF Methods	In Audio, RFC2833, and SIP INFO
Provisioning Protocol & Plug-and-Play	TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of various IP endpoints with no Configuration
Network Protocols	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP(RFC3261), STUN, SRTP, TLS, LADP
Disconnect Methods	Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone
Security	
Media Encryption	SRTP, TLS, HTTPS, TELNET with Fail2ban, Whitelist, Blacklist, alerts and more to protect against attacks
Physical	
Power Supply	Output: 12VDC, 2A; Input: 100 ~ 240VAC, 50 ~ 60Hz
Dimensions	IPX500H: 430mm L x 483mm W x 88mm H
Weight	IPX500H: About 8.8Kg (Weight varies with diverse internal TDM modules)
Environmental	Operating: 32 ~ 113°F / 0 ~ 45°C, 8 ~ 90% (non-condensing); Storage: -4 ~ 185°F / -20 ~ 85°C
Mounting	Desktop
Additional Features	
Multi-Language Support	English/Chinese/Traditional Chinese for Web UI; Customizable IVR/voice prompts for English, Chinese, British English; Customizable language pack to support any other languages
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF
Polarity Reversal / Wink	Yes, with enable/disable option upon call establishment and termination
Call Center	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/ busy level, in-queue announcement
Customizable Auto Attendant	Unlimited layers of IVR (Interactive Voice Response)
Maximum Call Capacity	Up to 100 even in SRTP encrypted
Conference Bridges	Up to 50 simultaneous PSTN or IP participants
Call Features	Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.

About SmartVoice

SmartVoice is an award-winning multinational company with a long history in the field of voice recording. We are located in Hong Kong - the Asian Financial Capital and we serve clients all around the world. We specialize in providing call recording products and solutions to contact centers, financial markets, trading floors and public utility services. Our products have been proven to improve operational productivity and business results. We are highly customer centered and offer tailor made solutions to suit your needs.

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[1]Public Switched Telephone Network

[2] IP Multimedia Subsystem

*Available models and service options may vary by region.

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