

Video PBX

- Powerful SIP audio & video PBX
- Wide range of connection options
- Multi-way video calls (MCU)
- Gateway option (SIP - H.323)
- IVR access to voice mailboxes
- Music on hold and video mail
- Featurephone support
- Web based management

The AuPix VPBX Video PBX offers a one-box solution to manage all of your company's audio and video calls, or to extend the capabilities of an existing PBX system.

It builds on the technology of a VoIP telephone system, adding the same rich feature set to users of video appliances, whilst setting new levels of performance and value.

The VPBX uses the industry standard SIP protocol, providing access to a range of new services whilst using Ethernet cabling to connect to the video and audio telephones.

Home workers with a SIP telephone, mobile or videophone can access office-based telephony services over a home broadband line using the powerful number portability and firewall traversal technology in the VPBX.



VPBX-2440

VPBX-1220

Other capabilities of the system include conferencing, voice mail, video mail, DDI, auto-attendant and music on hold.

The system also features IVR (Interactive Video Response) allowing the user to record and configure the system to manage incoming calls intelligently. The responses may be to route to additional



IVR questions or to forward into different groups, video mail, MCU, or a receptionist.

The VPBX range includes everything a growing business could need in a PBX. An optional H.323 to SIP bridge enables the use of legacy videoconferencing equipment, secure remote web based management and comprehensive supervisor utilities including full billing information.

The VPBX-2440 additionally includes a 9 way video MCU for group discussions.

The system is particularly effective in areas such as teleworking and project management, where the integrated audio conferencing and video MCU provides the ability to include a third and fourth participant in any video call.

The video PBX offers an easy migration path to the technology that most growing businesses use today. As more users and sites are added, upgrades are available to enable failover and additional capacity.

Whilst AuPix's AP-100 videophone and AP-50 PC softphone are ideal video clients for the system, the VPBX is compatible with a wide range of audio and video handsets and systems supporting the SIP protocol.

A choice of line cards is available to allow it to work in tandem with an existing telephony system, to connect legacy analog telephones or to connect to analog or ISDN telephone lines.



Specifications

Communications Protocols Supported

- SIP RFC3261, SDP RFC 2327
- ITU-T H.323
- Video H.264, H.263, H.261
- Audio G.711, G.722, G.728, G.729
- NAT/ PAT and Firewall Traversal support
- SIP Call extensions and DTMF signalling

System Performance/Resolution

- CIF video (352 x 288 pixels)
- QCIF video (176 x 144 pixels)
- QVGA video (320 x 240 pixels)
- CIF/QVGA/QCIF at 30 fps (at 384kbps)
- Bandwidths between 128kbps and 2Mbps

Communication Ports

- VPBX 1220: 1 Ethernet 10/100/1000 interface
- VPBX 2440: 2 Ethernet 10/100/1000 interfaces

Software Components

- PBX (SIP audio and video calls).
- SIP registrar
- H.323 gateway

Hardware Options

- SIP trunk (no option card)
- Analog PSTN card
- 4 BRI Card
- PRI Card

Software Features

- SIP feature phone options
- Real-time online statistical reporting
- IP Address, H.323, or SIP E.164 alias dialling
- Out of hours switch to video & audio message
- Video mail

MCU Features (VPBX-2440 only)

- MCU Modes: Switched and Continuous Presence
- Up to 10 participants, 10 conferences (switched)
- Up to 9 participants, 1 conference (CP mode)

Management Features

- Secure web server for local or remote configuration and management
- CDRs in PDF or CSV format

Telephony Features

- Hold, mute, forward, transfer, conference

Power

- Power consumption < 600 Watts
- External 10-240 VAC/ 50-60Hz

Physical & Environmental

- VPBX-2440- 19" W x 2 RMU H x 500mmD; 9.8 kg
- VPBX-1220- 399 W x 324 D x 95 H mm; 5.5 kg
- Temperature
 - Operating 0°C to 40°C
 - Storage -10°C to 60°C
- Humidity
 - Operating 20% to 90% (non-condensing)
 - Storage 10% to 95% (non-condensing)

Indicators

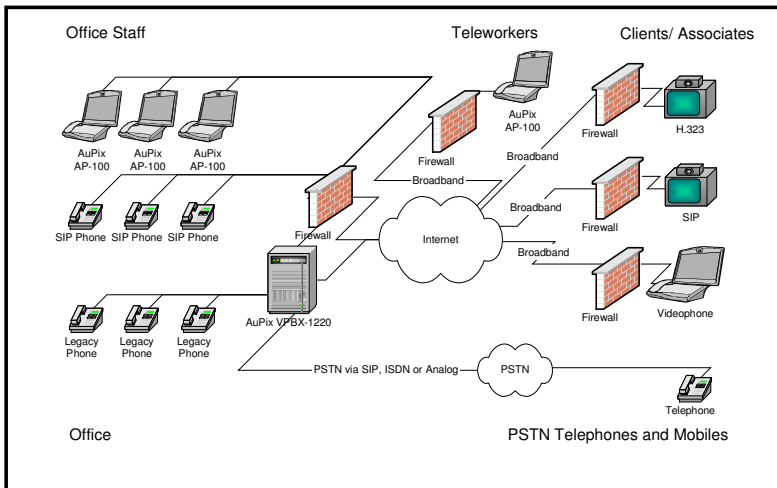
- VPBX-1220 2 line backlit LCD display
- VPBX-2440 4 line backlit LCD display
- LAN, PSTN, Internet, ISDN status

Warranty

- One year parts and labour / return to base

VPBX Configuration Options	VPBX-1220	VPBX-2440
Audio Clients	10	20
Video Clients	5	10
ACD	*	*
H.323 Gateway	*	*
Music on Hold	✓	✓
Video Mail	✓	✓
Analog Line Card	-4A	-4A
4BRI Line Card	-4B	-4B
1 PRI Line Card	-P	-P
2 PRI Line Card	-2P	-2P
Extra Ethernet WAN	-2E	-3E
MCU		✓

*- Contact AuPix for further information



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