

The VoIPCortex™ Rack Mount 1U PABX is a flexible and powerful business VoIP PABX system which provides all of the phone system features required by a typical business at a fraction of the cost of legacy PABX units.

Set up in minutes, the PABX provides you with the ability to make and receive calls with clarity and reliability over the normal telephone network via your office LAN and IP Phones.

Inter-office calls to similarly equipped remote sites across the Internet or private data lines are free of call charges and access to the world of low cost and free International and National calls via SIP and IAX networks is available.

The addition of extra extensions is just a matter of purchasing additional SIP phones, plugging them in and configuring in the PABX. There is no licensing limit on the number of internal extensions that can be supported.

#### the reliable, power efficient 1U hardware features:

- Simple but comprehensive web based management
- ISDN2, ISDN30e line options and unlimited VoIP termination providers on all models
- Automated phone provisioning for all major VoIP phone vendors - including Aastra, Polycom, Snom, Linksys
- Very low power consumption
- Shallow (230mm deep) Rack Mounting

Via our simple web based management system, the PABX behaviour can be highly customised. Your call queues, hunt groups and night mode operation behaviour can all be configured to your liking within a matter of minutes. Our advanced interactive response menu functionality enables you to record your own messages, or you can even use our in house professional voice artist.

Improving on the functionality offered by traditional legacy PABX systems, the VoIPCortex™ Rack Mount 1U PABX features voicemail and fax to e-mail, and advanced hot-desking ability.

Of course, VoIPCortex™ systems still maintain all the features that you would expect from a PABX, such as conference bridges, music on hold and unlimited voicemail boxes.

The VoIPCortex™ Rack Mount 1U PABX is a broadly effective telephony solution for businesses with anything from 8 to 200 employees - or 30 in a dedicated call centre.

Also available is the VoIPCortex™ Compact PABX, featuring all the same hardware and functionality but in a small wall mounted housing.

#### standard features - advanced functionality:

- Unlimited inbound DDI numbers
- Unlimited voicemail boxes with e-mail and web based access
- Interactive response menus
- Unlimited soft fax destinations
- Flexible hunt groups, including multiple priorities and both internal and external destinations
- Call queues
- Night mode operation to allow different call handling depending on time of day
- Per extension call records and billing information
- Paging
- Full installation and remote support/maintenance service available
- Music on hold
- Hot-desking capability

- Supports 2 to 30 outside lines
- Unit supports any number of users, limited only by line availability.
- No licensing fees
- 5 way conference bridge
- Full admin and user manuals provided

Approved  
**voipcortex**  
System Component



## specifications

An open, standards compliant VoIP PABX based on Asterisk software running on a Linux operating system platform with a local web based management interface.

## functionality

### interoperability and connectivity

- Compatible with SIP based soft and hard phones
- Auto-provisioning for major SIP handset vendors
- Single and Quad ISDN2e, Single ISDN30 local telephony interfaces
- Unlimited IAX2 & SIP VoIP trunking
- No user licensing fees - scalable and cost effective for medium sized organisations
- Compatible with BT's 21CN infrastructure

### call behaviour

- Unlimited inbound DDI numbers
- Unlimited voicemail boxes
- E-mail and web based access to voicemails
- 1000 hours of voicemail storage
- Unlimited soft fax destinations
- Call management - hold, transfer, forwarding
- Custom interactive voice response (IVR) platform
- Hot desking interface
- Pickup groups
- Integrated phonebook and directory generation
- Flexible Night Mode operation
- Flexible hunt groups
- Call queues
- Paging/Tannoy capability
- 5 way conference bridge
- Music on hold
- Intuitive web based configuration
- Web based management interface
- Detailed per extension call records and billing information
- Calling and billing information stored for 1 year
- Free inter-office calls with suitable connectivity
- TAPI PC integration (optional)



## hardware

- Rack mounted for convenient integration with existing network
- Shallow (230mm) 1U form factor

	VoIPCortex 1U
Storage	30Gb
Input voltage	110-220 VAC
Typical power consumption	50W
Fans	2

## telephony device models

	Single ISDN2	Quad ISDN2	Single ISDN30
Suggested user capacity	Approx. 5	Approx. 40	Approx. 150 (30 in dedi call centre)
Interfaces	1 ISDN BRI	4 ISDN BRI	1 ISDN PRI
Channels	2	2-8	8-30
Chipset	Cologne HFC	Cologne HF4S	Sangoma

## standards

- RFC3515 SIP
- RFC3550 RTP
- IEEE 802.3 (Ethernet), 802.1Q (VLANs, Priority)
- RFC 2616 HTTP
- HTML
- RFC2131, RFC2132 DHCP
- RFC1350 TFTP
- RFC1122 TCP/IP

## dimensions

- W: 430mm
- D: 230mm
- H: 44.5mm
- Weight: 5kg (approx.)

## networking

- LAN 10/100 Ethernet 100BaseT