



ELASTIX APPLIANCES ELX SERIES

Elastix Turn-key Solutions

Enterprise telephony must integrate stable multi-function software and reliable hardware to guarantee the required call traffic with the highest quality of service (QOS). Elastix understands that VoIP business requires quality hardware with great capacity and most importantly, support. We understand your business and want to help you develop the best possible solution for your clients and/or your company.

Elastix appliances in the ELX Series offers the same Elastix software with the full functionality and the reliability that you have gotten accustomed to, with great telephony hardware from trusted suppliers such as Sangoma and Openvox. It certainly is the best choice available in the market for SMBs.

General Features

Compact design

Our appliances have a simple and compact design perfect for portability and ease of maintenance. With metallic cases in 1U, 1.5U and 3U formats, our appliances have enough expansion capacity for a wide range of applications using PCI ports or USB ports to support *channel banks*.

All of our appliances are rack mountable allowing a quick integration to your network infrastructure.

Low power consumption

The design of our appliances allows them to consume the minimum possible power under normal conditions. This helps us save energy and lowers the cost of operation. We have done this, among other things to help contribute with the conservation of the environment.

Digital and Analog integration

The Elastix Appliances ELX Series can integrate analog or digital cards (FXO/FXS, E1/T1) according to your needs. We are ready and glad to give you advice before ordering an implementation in order to make sure you exploit the appliance's functionality to the limit. All hardware comes installed, configured and tested from our warehouse.



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Pre-installed software

All appliance models come with pre-installed Elastix software giving you a powerful tool for business-level VoIP.

VoIP PBX

- Call recording
- Voicemail
- Flexible and configurable IVR
- Voice synthesis support
- IP terminal batch configuration tool
- Integrated echo canceller by software
- Phone provisioner via Web
- Support for video-phones
- Hardware detection interface
- DHCP server for dynamic IP
- Web-based operator panel
- Call parking
- Call detail record (CDR) report
- Billing and consumption report
- Channel usage reports
- Support for call queues
- Conference center with virtual rooms
- SIP and IAX support, among others
Supported codecs: ADPCM, G.711 (A-Law & μ -Law), G.722, G.723.1 (pass through), G.726, G.729, GSM, among others.
- Support for analog interfaces (FXS/FXO)
- Support for digital interfaces (E1/T1/J1) through PRI/BRI/R2 protocols
- Caller ID
- Multiple trunk support
- Incoming and outgoing routes with support for dial pattern matching

- Support for follow-me
- Support for ring groups
- Support for paging and intercom
- Support for time conditions
- Support for PIN sets
- Direct Inward System Access (DISA)
- Callback support

Fax

- Fax server based on HylaFax
- Fax visor with downloaded PDFs
- Fax to email application
- Fax to email customization
- Access control for fax clients
- Can be integrated with Winprint Hylafax

General

- Online embedded help
- Available in 22 languages
- System resources monitor
- Network configurator
- Server shutdown from the web
- Access control to the interface based on ACLs
- Centralized updates management
- Backup/restore support via Web
- Support for skin
- Configurable server date, time and timezone

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Pre-installed software

Email

- Mail server with multi-domain support
- Web based management
- Support for mail relay
- Web based email client
- Support for quotas
- Antispam support

Collaboration

- PBX-integrated calendar with support for voice notifications
- Phonebook with click-to-dial capabilities

Extras

- Billing support with A2Billing
- Integrated CRM: vTigerCRM and SugarCRM

Call Center

- Open Source Call Center module with predictive dialer
- Incoming and outgoing campaigns

- Campaign-associated forms or surveys for entering information
- Campaign script support
- Agent console
- Support for several types of breaks
- Advanced reports

Instant Messaging

- Openfire instant messaging server
- IM client initiated calls
- Web based management for IM server
- IM groups support
- Support for other IM gateways like MSN, Yahoo Messenger, GTalk and ICQ
- Report of user sessions
- Jabber support
- Plugins support
- LDAP support
- Server-to-server support to share users between servers

Supported hardware

We support all major telephony hardware brands in the market today. The following are some suggestions:

- **IP Telephones:**
AASTRA, ATCOM, POLYCOM
- **Channel banks:**
XORCOM, RHINO
- **Telephony Cards:**
SANGOMA, OPENVOX, RHINO, DIGIUM
- **High availability devices:**
REDFONE

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	ELX-025	ELX-3000	ELX-8000
Telephony			
Analog Ports	Up to 12	Up to 24	Up to 48
Digital Ports	Up to 1 E1/T1/J1	Up to 4 E1/T1/J1	Up to 8 E1/T1/J1
PCI Expansion Slots	1	2	4
Extensions (SIP/IAX)	Up to 200	Up to 300	Up to 400
Maximum Concurrent Calls (optimal)	25	50	100
Support time included	1 hour 8x5 (-5GMT)	1 hour 8x5 (-5GMT)	1 hour 8x5 (-5GMT)
Hardware			
CPU	1.6 GHz Intel	2 x 1.6 GHz Dual Core Intel	2 x 2.5 GHz Dual Core Intel Xeon
RAM	1 GB	2GB	4 GB
Hard Drive	160 GB	160 GB	146 SAS GB
Second Hard Drive	No	160 GB (Optional)	146 SAS GB
RAID	No	Soft Raid 1 (Optional)	Hardware RAID 1
RAID Controller	No	No	Yes (embedded)
Network Interface	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps
Other ports	video/keyboard/mouse	video/keyboard/mouse	video/keyboard/mouse
Operation features			
Nominal Power	90 W <i>fanless</i> , efficient PSU	180 W efficient PSU	450 W
Operation Voltage	120-240 <i>Autoswitching</i>	120-240 <i>Autoswitching</i>	120-240 <i>Autoswitching</i>
Average Power consumption w/o cards	50 W	100 W	180 W
Redundant Power Supplies	No	No	Yes
Operating System	Elastix 32 bits	Elastix 32 bits	Elastix 64 bits
Physical features			
Height	1.75" (45.5 mm) - 1 U	2.63" (68 mm) - 1.5 U	5.25" (133 mm) - 3 U
Width	16.73" (425 mm)	16.73" (425 mm)	16.73" (425 mm)
Deep	11.96" (304 mm)	11.96" (304 mm)	15.75" (400 mm)
Rack-mountable	Yes	Yes	Yes
Weight (base system)	4 Kg	5.5 Kg	10.5 Kg
LCD Display	No	20x4 characters	No
USB Ports	2 ports on front panel and 2 port on the rear panel	4 ports on rear panel	4 ports on rear panel
Front panel LEDs	Power/HDD	Power/HDD	Power/HDD
Extras			
Warranty	1 year	1 year	1 year
Extended Warranty	Optional up to 3 years	Optional up to 3 years	Optional up to 3 years
Rackmount/wallmount kit	Included	Included	Included
Power Cord	Included	Included	Included
Quickstart Guide	Included	Included	Included
Software CD	Included	Included	Included

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