1002000100

ICX-500

Intelligent Communication Gateway with HD Voice

ICX-AlphaCom

UL Certified Intercom

HD Voice

- Made to provide critical communication in any environment
- Supports 552 IP stations
- Environmentally friendly and energy saving - max. 15 W
- Global networking and integration
- Dual software images for system robustness and low downtime during software upgrades
- Secure boot, hardware Root of Trust - RoT
- High quality professional PA broadcasting and messaging services
- Security voice guidance for public safety and building security
- 1U high, fanless design, vibration proof

DESCRIPTION

The ICX-500 Intelligent Communication Gateway connects people, devices, and systems at unprecedented levels of manageability, scalability, robustness, and interoperability.

ICX-500 will provide your site with all your communication needs as it is easy to extend in functionality and system size, and is designed to be future-proof. The system can be tailored to support applications of almost unlimited specificity and complexity.

Zenitel's ICX (Intelligent Communications X) implies the deployment of VoIP applications required in critical situations. ICX-500 provides carrier-class system availability and protects resources in an IP environment by using embedded security mechanisms.

The main security mechanisms used are hardware Root of Trust, software integrity check (SHA256), restricted management access, separate management interface, and internal firewall.

For more information on ICX-500 please see Zenitel Wiki
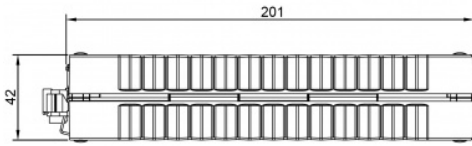
SPECIFICATIONS

MECHANICAL & ENVIRONMENTAL

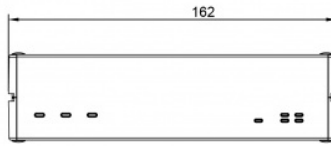|	
Dimensions (WxHxD)	162 x 44.5 x 200 mm / 6.38 x 1.75 x 7.87 inches
Weight	1 kg / 2.2 lbs
Power	Nominal 24VDC - 48VDC, 15 W (min/max: 20VDC-63VDC)
Mounting	Wallmount or 19" rack
Processor subsystem	NXP LS1043
Storage subsystem	Solid state (1048 MB Flash). MicroSD, USB
Temperature Range	-15°C to +55°C
Relative Humidity	95%

FEATURES

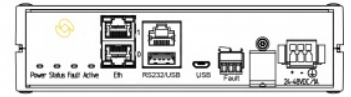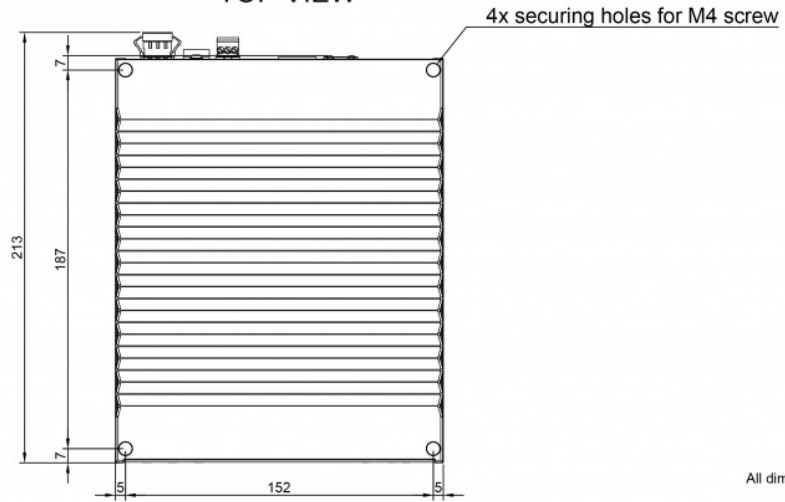|	
Memory	1048 MB SDRAM, 1048 MB NAND Flash, 128 MB NOR Flash
Subscriber Capacity	552 intercom stations per server
Busy Hour Call	60 000 BHCA
IP Telephones	552 IP telephones per server
Software Integrity Check	SHA256
IP Priority	DiffServ, IP TOS
IP Security	Hardware root of trust, SSH, HTTPS, firewall
SIP	RFC 3261, SIP INFO, RE-Invite. RFC 2833, RFC 4733,
VoIP Internal Networking	64 channels
VoIP External Networking	64 channels
ISDN Trunk	ISDN PRI (30 channels); VoIP external networking + gateway
Analog Trunk	FXO (4 & 8 channels); VoIP external networking + gateway
GSM Trunk	Quad band GSM; VoIP external networking + gateway
Other	Vingtor-Stentofon Data scripting engine (EDIO)
Configuration	AlphaPro over IP, Web
Monitoring and Logging	SNMP trap, SNMP MIB, syslog, Web, e-mail, SqLite
SW Upgrade	System recovery upgrade via SD-card, Web, Automatic upgrade of IP station
VoIP Audio	HD Audio - 16 kHz (background music, see additional information on the Zenitel wiki), HD Voice - G.722 (7 KHz), Telephone Audio - G.711 (3.4 KHz)
Open Duplex Conference	20 open duplex conferences can be configured. A maximum of 16 subscribers can participate in 1 conference but maximum 64 subscribers can participate divided over multiple channels simultaneously.
Push-to-Talk Conference	50 conference channels. Unlimited number of participants. Priority features
Group Call	250 groups. Unlimited number of participants. Priority features
Call Modes	Open mode. Ringing mode. Call request mode. Priority features
Audio Messaging	PA broadcasting. Auto-attendant, Voice guidance (doors, elevators), Security voice response
Compliance	CE, FCC Part 15
Certifications	IEC/UL62368-1, EN61000-6-X, EN60945, EN 50121-4; In order to comply with UL safety requirements, the unit has to be supplied by a power supply specified as a Limited Power Source (LPS) or PS2 (cased on IEC/UL 62368-1 definition) or NEC Class 2 source of supply

TECHNICAL DIMENSIONS

SIDE VIEW

201

42

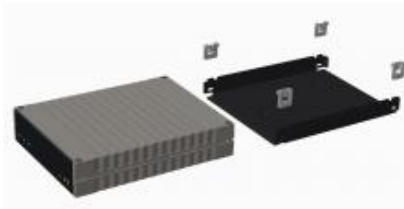### FRONT VIEW

162

REAR VIEW

Power Status Fault Active   Eth   RS232/USB   USB   Fault   24-48VDC IN

TOP VIEW

4x securing holes for M4 screw
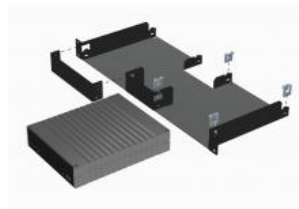
7

213   187

7

5   152   5

All dimensions in mm

ACCESSORIES

IA-MB1
Item number: 1002500020

IA-RS1
Item number: 1002500010

IPS-AC1
Item number: 1002510000

PROMAX-120-24
Item number: 2990000041

POWER SUPPLY 100-240VAC/48VDC 2A
Item number: 2990000065

USED WITH

1002600000
ICX-ALPHACOM CORE

100260xxxx

ICX-ALPHACOM LICENSES

1002600300

ILS-SC, IP-STATION LICENSE, SOFTCLIENT

IP Station License for SoftClient

100260210x

ILI-SIP2 / ILI-SIP4 / ILI-SIP8, SIP TRUNKING LICENSE 2, 4, 8 LINES

SIP Trunking License

100260220x

ILI-REC(2-32), ACTIVE RECORDING INTERFACE LICENSE

Active Recording Interface License

100260230x

ILI-API64 / ILI-API512, API LICENSE (64 AND 512 STATIONS)

www.zenitel.com   info@zenitel.com

API License

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ILI-AN2 / ILI-AN8, ALPHANET LICENSE (2 LINES AND 8 LINES)

AlphaNet License

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