1002000100

ICX-500

Intelligent Communication Gateway with HD Voice

▦ **ICX-AlphaCom**

Ⓤ **UL Certified Intercom**

♫ **HD Voice**

DESCRIPTION

- ICX-500 Intelligent Communication Gateway
- 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
- SD Card based software recovery
- Fully compatible with legacy AlphaCom system
- Large memory supports future feature expansion and new services
- Memory extension via SD card and USB
- High quality professional PA broadcasting and messaging services
- Security voice guidance for public safety and building security
- Auto-attendant functionality (Automatic voice supported switchboard)
- Voice supported call guidance
- Slim and compact
- 1U rack integration
- Fanless design
- Robust powder painted die-cast aluminium housing
- Vibration proof
- Closed ingress protected housing
- Flexible mounting system
- Power supply, mounting equipment, and licenses not included. See *Accessories* and *Used With* tabs for more information

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.

Vingtor-Stentofon'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.
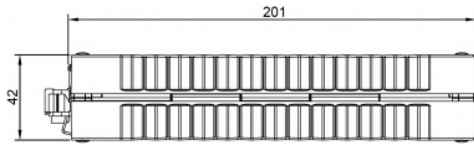
SPECIFICATIONS

MECHANICAL & ENVIRONMENTAL

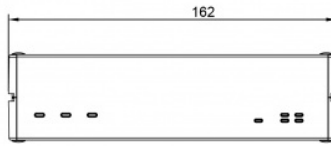|	
Dimensions (WxHxD)	162 x 44.5 x 200 mm / 6.38 x 1.75 x 7.87 inches
Weight	1 kg / 2.2 lbs
Power	Nominal 24VDC - 48VDC, 15 W (min/max: 20VDC-63VDC)
Mounting	Wallmount or 19" rack
Processor subsystem	NXP LS1043
Storage subsystem	Solid state (1048 MB Flash). MicroSD, USB
Temperature Range	-15°C to +55°C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

FEATURES

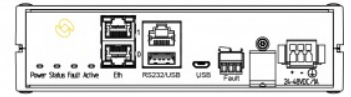|	
Memory	1048 MB SDRAM, 1048 MB NAND Flash, 128 MB NOR Flash
Subscriber Capacity	552 intercom stations per server
Busy Hour Call	60 000 BHCA
IP Telephones	552 IP telephones per server
Software Integrity Check	SHA256
IP Priority	DiffServ, IP TOS
IP Security	Hardware root of trust, SSH, HTTPS, firewall
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

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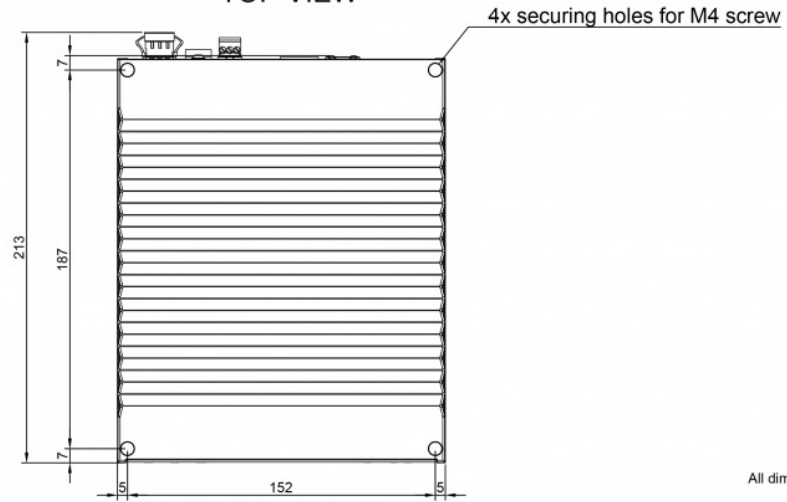
TECHNICAL DIMENSIONS

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
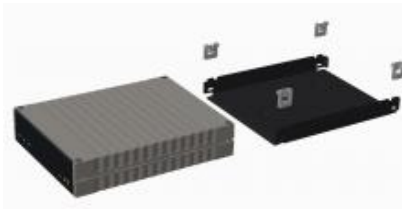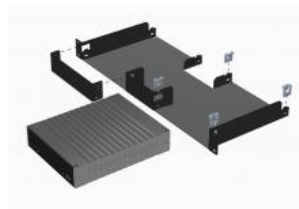
7

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

USED WITH

LICENSE

1002600000

ICX-ALPHACOM CORE

100260xxxx

ICX-ALPHACOM LICENSES

www.zenitel.com   info@zenitel.com

1002600300

ILS-SC

IP Station License for SoftClient

100260210x

ILI-SIP2 / ILI-SIP4 / ILI-SIP8

SIP Trunking License

100260220x

ILI-REC(2-512)

Active Recording Interface License

100260230x

ILI-API64 / ILI-API512

API License

100260200x

ILI-AN2 / ILI-AN8

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1002604000/1002604100

ILF-M-BAS / ILF-M-ENH / ILF-M-EXT

Audio Messaging License

1008111010

TCIS-1

IP and SIP Intercom

1008111020

TCIS-2

IP and SIP Intercom

1008111030

TCIS-3

IP and SIP Intercom

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TCIS-4

IP and SIP Intercom

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TCIS-5

IP and SIP Intercom

1008111060

TCIS-6

IP and SIP Intercom

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TCIV-2

Vandal Resistant VoIP Video Intercom

1008115030

TCIV-3

IP and SIP Video Intercom

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TCIV-5

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1008115060

TCIV-6

IP and SIP Video Intercom

1023200033

ECPIR-3P

Exigo Access Panel / Turbine Intercom

1490001010

ITSV-1

IP Touch Station with Video

This product has been replaced by
1490002010 ITSV-2

DISCONTINUED

1008116010

TMIS-1

Turbine Mini Intercom

1008116020

TMIS-2

Turbine Mini Intercom

1008031000

CRM-V

IP Flush Master Station

This product has been replaced by
1008431000 CRM-V-2

DISCONTINUED

1008122010

TFIE-1

IP and SIP Intercom

1008122020

TFIE-2

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1008122060

TFIE-6

IP and SIP Intercom

1008123010

TFIX-1

Ex IP Intercom Station

1008123020

TFIX-2

Ex IP Intercom Station

1008123030

TFIX-3

Ex IP Intercom Station

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ILS-IC

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