

1002000100

## ICX-500

Intelligent Communication Gateway with HD Voice

 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

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

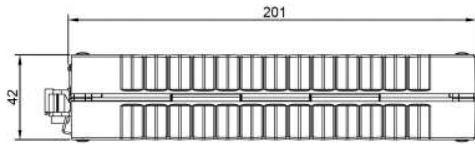
Dimensions (WxHxD)	162 x 44.5 x 200 mm / 6.38 x 1.75 x 7.87 inches
Weight	1 kg / 2.2 lbs
Power	Nominal 24VDC - 48VDC, 15 W (min/max: 20VDC-63VDC)
Mounting	Wallmount or 19" rack
Processor subsystem	NXP LS1043
Storage subsystem	Solid state (1048 MB Flash). MicroSD, USB
Temperature Range	-15°C to +55°C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

### FEATURES

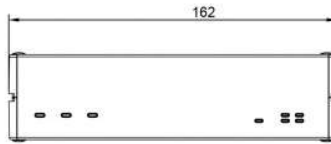
Memory	1048 MB SDRAM, 1048 MB NAND Flash, 128 MB NOR Flash
Subscriber Capacity	552 intercom stations per server
Busy Hour Call	60 000 BHCA
IP Telephones	552 IP telephones per server
Software Integrity Check	SHA256
IP Priority	DiffServ, IP TOS
IP Security	Hardware root of trust, SSH, HTTPS, firewall
SIP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

**TECHNICAL DIMENSIONS**

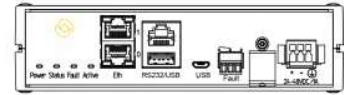
**SIDE VIEW**



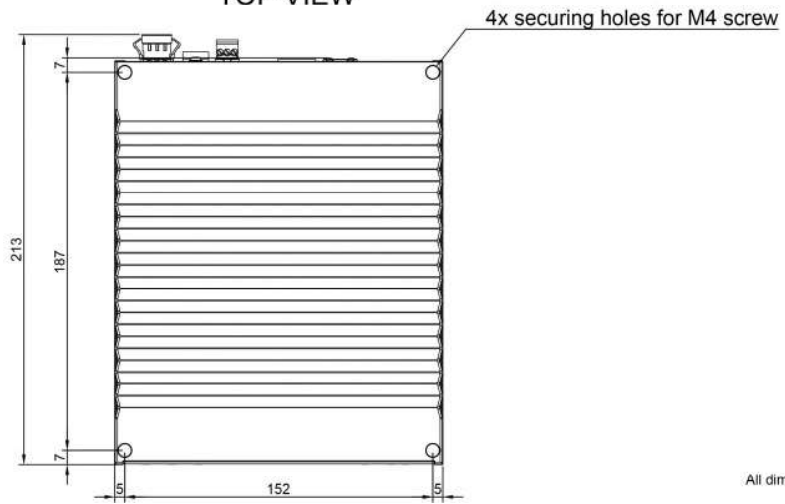
**FRONT VIEW**



**REAR VIEW**



**TOP VIEW**



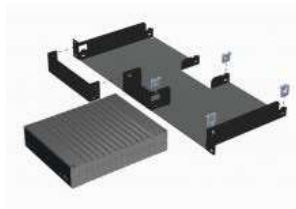
All dimensions in mm

**ACCESSORIES**



**IA-MB1**

Item Number: 1002500020



**IA-RS1**

Item Number: 1002500010



**IPS-AC1**

Item Number: 1002510000

**USED WITH**



1002600000  
**ICX-ALPHACOM CORE**

100260xxxx  
**ICX-ALPHACOM LICENSES**



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**



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



1008111040

**TCIS-4**

IP and SIP Intercom



1008111050

**TCIS-5**  
IP and SIP Intercom



1008111060

**TCIS-6**  
IP and SIP Intercom



1008115020

**TCIV-2**  
Vandal Resistant VoIP Video Intercom



1008115030

**TCIV-3**  
IP and SIP Video Intercom



1008115050

**TCIV-5**



1008115060

**TCIV-6**

IP and SIP Video Intercom



1023200033

**ECPIR-3P**

Exigo Access Panel / Turbine Intercom



1490001010

**ITSV-1**

IP Touch Station with Video



1008116010

**TMIS-1**

Turbine Mini Intercom



1008116020

**TMIS-2**





1008031000

**CRM-V**  
IP Flush Master Station



1008122010

**TFIE-1**  
IP and SIP Intercom



1008122020

**TFIE-2**  
IP and SIP Intercom



1008122060

**TFIE-6**  
IP and SIP Intercom



1008123010

**TFIX-1**



1008123020

**TFIX-2**

Ex IP Intercom Station



1008123030

**TFIX-3**

Ex IP Intercom Station



1002600100

**ILS-IC**

IP Station License



1002600700

**ILS-SIP**

SIP Station License

