

1002000110

ICX-510-IA Intelligent Communication Gateway

ICX-510 incl ICX-AlphaCom Core



- ✓ 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

 UL Certified Intercom  ICX-AlphaCom  HD Voice

Description

The ICX-510-IA Intelligent Communication Gateway connects people, devices, and systems at unprecedented levels of manageability, scalability, robustness, and interoperability.

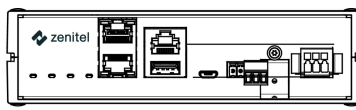
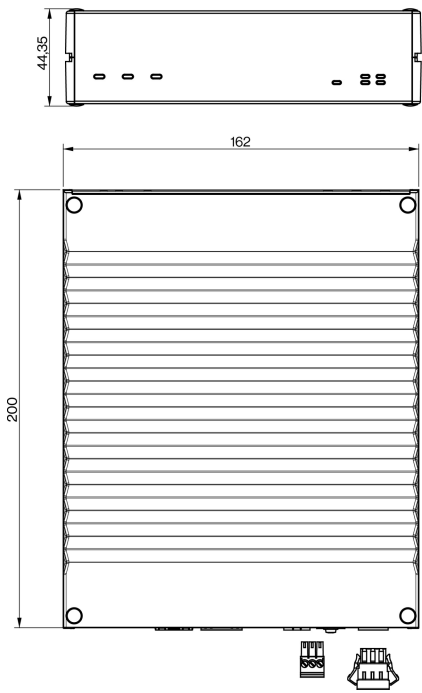
ICX-510-IA will provide your site with all your communication needs as it is easy to extend in functionality and system size, and is designed to be future-proof. The system can be tailored to support applications of almost unlimited specificity and complexity.

Zenitel's ICX (Intelligent Communications X) implies the deployment of VoIP applications required in critical situations. ICX-510-IA 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-510-IA please see [Zenitel Wiki](#)

Technical Dimensions



all dimensions in mm

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 (4048 MB Flash). MicroSD, USB |
| Temperature Range | -15°C to +55°C / 5°F to 131°F |
| Relative Humidity | 95% |

FEATURES

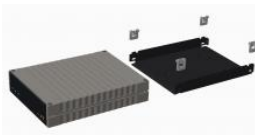
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|--------------------------|---|
| Memory | 4048 MB SDRAM, 4048 MB NAND Flash, 128 MB NOR Flash |
| Subscriber Capacity | 552 intercom stations per server |
| Busy Hour Call | 60 000 BHCA |
| Network ports | High speed, up to 1 gigabit per second |
| 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) |
| 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) |
| 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 |

| | |
|-------------------------|--|
| 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 (based on IEC/UL 62368-1 definition) or NEC Class 2 source of supply |

CERTIFICATIONS

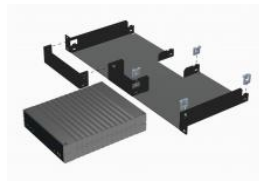
| | |
|-------------------|--|
| EMC | IEC/EN 61000-6-2 Industrial Immunity |
| | IEC/EN 61000-6-4 Industrial Emissions |
| | IEC/EN 61000-6-1 Light Industrial Immunity |
| | IEC/EN 61000-6-3 Light Industrial Emission |
| | EN 55032 class B Multimedia equipment |
| Maritime | IEC/EN 60533 Maritime |
| | IEC/EN 60945 |
| Vibration | 2Hz-100Hz (IEC/EN 60068-2-6) |
| Dry heat | 55°C (131°F) (IEC/EN 60068-2-2) |
| Low Temperature | -15°C (5°F) (IEC/EN 60068-2-2) |
| Damp Heat, Cyclic | 40°C (104°F) / 93%RH (IEC/EN 60068-2-2) |
| Safety | UL62368-1 certification |
| | CB certification to IEC62368-1 |

Accessories



IA-MB1

Mounting Bracket for ICX-500/510



IA-RS1

Rack Shelf for ICX-500/510 - 19"



IPS-AC1

PSU for ICX-500/510



PROMAX-120-24

Power supply 100-240VAC/24VDC 5A



Power Supply 100-240VAC/48VDC
2A

Used With



ILS-IC, IP Station License

IP Station License



ILS-SIP, SIP Station License

SIP Station License



ILS-SC, IP-Station License,
Softclient

IP Station License for SoftClient



ILI-AN2 / ILI-AN8, AlphaNet License
(2 Lines and 8 Lines)

AlphaNet License



ILI-SIP2 / ILI-SIP4 / ILI-SIP8, SIP
Trunking License 2, 4, 8 Lines

SIP Trunking License



ILI-API64 / ILI-API512, API License
(64 and 512 Stations)

API License



ILI-REC(2-32), Active Recording
Interface License

Active Recording Interface License



ILF-M-BAS / ILF-M-ENH / ILF-M-
EXT (Audio Messaging Licenses,
Basic and Enhanced)

Audio Messaging Licenses



ILS-CRM

IP Station License for CRM