1002000110

# ICX-510-IA Intelligentes Kommunikations-Gateway

ICX-510 inkl. ICX-AlphaCom Core




- Entwickelt, um kritische Kommunikation in jeder Umgebung zu ermöglichen
- Unterstützt 552 IP-Stationen
- Umweltfreundlich und energiesparend – max. 15 W
- Globale Vernetzung und Integration
- Duale Software-Images für Systemstabilität und geringe Ausfallzeiten bei Software-Upgrades
- Sicherer Start, Hardware-Root of Trust – RoT
- Hochwertige professionelle PA-Rundfunk- und Messaging-Dienste
- Sicherheitssprachführung für die öffentliche Sicherheit und Gebäudesicherheit
- 1 HE hoch, lüfterloses Design, vibrationsfest

UL Certified Intercom | ICX-AlphaCom | HD Voice

## Beschreibung

Das intelligente Kommunikationsgateway ICX-510-IA verbindet Menschen, Geräte und Systeme mit einem beispiellosen Maß an Verwaltbarkeit, Skalierbarkeit, Robustheit und Interoperabilität.

ICX-510-IA erfüllt alle Ihre Kommunikationsanforderungen, da es sich leicht in Funktionalität und Systemgröße erweitern lässt und zukunftssicher konzipiert ist. Das System kann so angepasst werden, dass es Anwendungen nahezu unbegrenzter Spezifität und Komplexität unterstützt.

Zenitels ICX (Intelligent Communications X) ermöglicht den Einsatz von VoIP-Anwendungen, die in kritischen Situationen erforderlich sind. ICX-510-IA bietet Systemverfügbarkeit auf Carrier-Niveau und schützt Ressourcen in einer IP-Umgebung durch eingebettete Sicherheitsmechanismen.

Die wichtigsten verwendeten Sicherheitsmechanismen sind Hardware-Root of Trust, Software-Integritätsprüfung (SHA256), eingeschränkter Verwaltungszugriff, separate Verwaltungsschnittstelle und interne Firewall.

Weitere Informationen zu ICX-510-IA finden Sie im Zenitel Wiki.

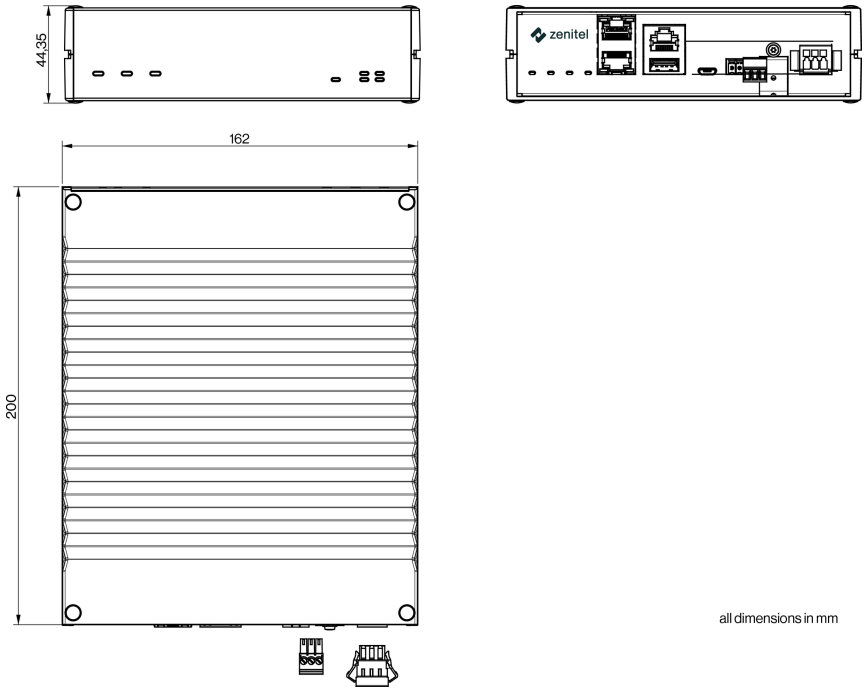
## Technical Dimensions



www.zenitel.com info@zenitel.com Last revision date: 2025-10-15 10:30

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all dimensions in mm





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# Spezifikationen

**MECHANISCH & UMWELT**

| | |
|---|---|
| Abmessungen (BxHxT) | 162 x 44,5 x 200 mm / 6,38 x 1,75 x 7,87 Zoll |
| Gewicht | 1 kg |
| Leistung | Nominal 24 – 48 VDC, 15 W (min./max.: 20 – 63 VDC) |
| Montage | Wandmontage oder 19-Zoll-Rack |
| Prozessorsubsystem | NXP LS1043 |
| Speichersubsystem | Solid-State-Speicher (4048 MB Flash). MicroSD, USB |
| Temperaturbereich | -15 °C bis +55 °C / 5 °F bis 131 °F |
| Relative Luftfeuchtigkeit | 95 % |

**MERKMALE**

| | |
|---|---|
| Erinnerung | 4048 MB SDRAM, 4048 MB NAND-Flash, 128 MB NOR-Flash |
| Teilnehmerkapazität | 552 Sprechstellen pro Server |
| Anruf während der Stoßzeit | 60.000 BHCA |
| Netzwerkports | Hohe Geschwindigkeit, bis zu 1 Gigabit pro Sekunde |
| Software-Integritätsprüfung | SHA256 |
| IP-Priorität | DiffServ, IP-Nutzungsbedingungen |
| IP-Sicherheit | Hardware-Root of Trust, SSH, HTTPS, Firewall |
| SCHLUCK | RFC 3261, SIP-INFO, erneute Einladung. RFC 2833, RFC 4733, |
| Internes VoIP-Netzwerk | 64 Kanäle |
| Externe VoIP-Netzwerke | 64 Kanäle |
| ISDN-Trunk | ISDN PRI (30 Kanäle); VoIP externes Netzwerk + Gateway |
| Analoge Amtsleitung | FXO (4 und 8 Kanäle); VoIP-externes Netzwerk + Gateway |
| GSM-Trunk | Quadband-GSM; externes VoIP-Netzwerk + Gateway |
| Andere | Vingtor-Stentofon Data Scripting Engine (EDIO) |
| VoIP-Audio | HD-Audio – 16 kHz (Hintergrundmusik, siehe zusätzliche Informationen im Zenitel-Wiki), HD-Sprache – G.722 (7 KHz), Telefon-Audio – G.711 (3,4 KHz) |
| Konfiguration | AlphaPro über IP, Web |
| Überwachung und Protokollierung | SNMP-Trap, SNMP-MIB, Syslog, Web, E-Mail, SqLite |





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| | |
|---|---|
| | Web, E-Mail, SqLite |
| Software-Upgrade | Systemwiederherstellungs-Upgrade über SD-Karte, Web, automatisches Upgrade der IP-Station |
| Offene Duplex-Konferenz | Es können 20 offene Duplex-Konferenzen konfiguriert werden. An einer Konferenz können maximal 16 Teilnehmer teilnehmen, maximal 64 Teilnehmer können jedoch gleichzeitig auf mehrere Kanäle verteilt teilnehmen. |
| Push-to-Talk-Konferenz | 50 Konferenzkanäle. Unbegrenzte Teilnehmerzahl. Prioritätsfunktionen |
| Gruppenanruf | 250 Gruppen. Unbegrenzte Teilnehmerzahl. Prioritätsfunktionen |
| Anrufmodi | Offener Modus. Klingelmodus. Anrufanforderungsmodus. Prioritätsfunktionen |
| Audio-Nachrichten | PA-Übertragung. Automatische Vermittlung, Sprachführung (Türen, Aufzüge), Sicherheits-Sprachantwort |
| Einhaltung | CE, FCC Teil 15 |
| Zertifizierungen | IEC/UL62368-1, EN61000-6-X, EN60945, EN 50121-4; Um den UL-Sicherheitsanforderungen zu entsprechen, muss das Gerät von einer Stromversorgung versorgt werden, die als Limited Power Source (LPS) oder PS2 (gemäß der Definition von IEC/UL 62368-1) oder als Stromversorgungsquelle der NEC-Klasse 2 spezifiziert ist |

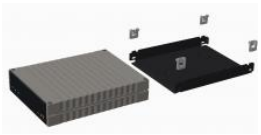


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| ZERTIFIZIERUNGEN | |
|---|---|
| EMV | IEC/EN 61000-6-2 Industrielle Störfestigkeit |
| | IEC/EN 61000-6-4 Industrieemissionen |
| | IEC/EN 61000-6-1 Störfestigkeit für leichte Industrieanwendungen |
| | IEC/EN 61000-6-3 Leichtindustrielle Emissionen |
| | EN 55032 Klasse B Multimediageräte |
| Seefahrt | IEC/EN 60533 Maritime |
| | IEC/EN 60945 |
| Vibration | 2 Hz – 100 Hz (IEC/EN 60068-2-6) |
| Trockene Hitze | 55 °C (131 °F) (IEC/EN 60068-2-2) |
| Niedrige Temperatur | -15 °C (5 °F) (IEC/EN 60068-2-2) |
| Feuchte Hitze, zyklisch | 40 °C (104 °F) / 93 % relative Luftfeuchtigkeit (IEC/EN 60068-2-2) |
| Sicherheit | UL62368-1-Zertifizierung |
| | CB-Zertifizierung nach IEC62368-1 |

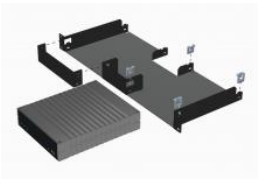
## Zubehör



IA-MB1

Montagehalterung für ICX-500/510

Artikelnummer 1002500020



IA-RS1

Rackregal für ICX-500/510 - 19

Artikelnummer 1002500010



IPS-AC1

PSU für ICX-500/510

Artikelnummer 1002510000



PROMAX-120-24

Power supply 100-240VAC/24VDC 5A

Artikelnummer 2990000041





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Power Supply 100-240VAC/48VDC 2A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 2A current

Artikelnummer 2990000065

## Used With




ILS-IC, IP Station License

IP Station License

Artikelnummer 1002600100




ILS-SIP, SIP Station License

SIP Station License

Artikelnummer 1002600700




ILS-SC, IP-Station License, Softclient

IP Station License for SoftClient

Artikelnummer 1002600300




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

AlphaNet License

Artikelnummer 100260200x




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

SIP Trunking License

Artikelnummer 100260210x




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API License

Artikelnummer 100260230x




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Active Recording Interface License

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Audio Messaging Licenses

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ILS-CRM

IP Station License for CRM

Artikelnummer 1002600200





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