

1002000200

## ICX-510

Server for Zenitel Connect Pro, providing HD voice and video communications



- ✓ Made to provide audio critical communication in any environment
- ✓ Supports up to 50 concurrent calls, 200 devices (IP-speakers, intercoms etc) per server
- ✓ Environmentally friendly and energy saving - max. 15 W
- ✓ Secure boot, hardware Root of Trust
- ✓ High speed network ports to support multiple video calls
- ✓ Large memory supports future feature expansion and new services
- ✓ Memory extension via SD card and USB
- ✓ 1U high, fanless design, vibration proof



UL Certified Intercom



HD Voice

## Description

ICX-510 is the server hardware for Zenitel Connect Pro. Zenitel Connect Pro is the singular communication platform that is designed to cater to business, security, and safety communication needs. It empowers security teams with an easy-to-configure, easy-to-use platform for day-to-day operations.

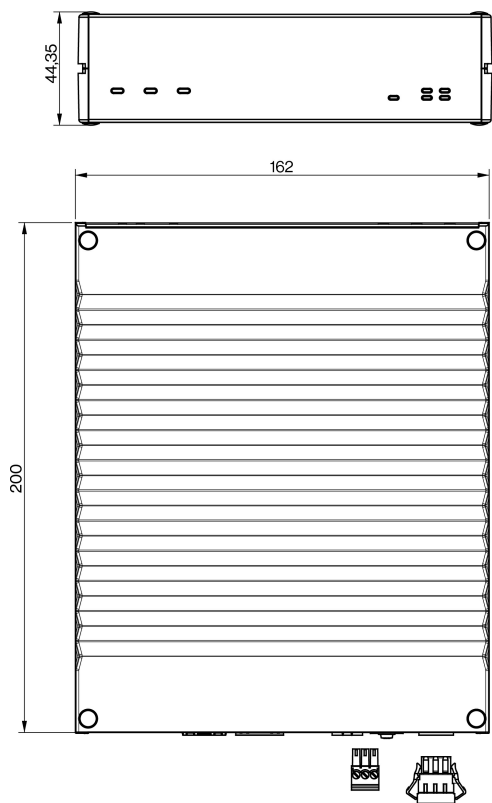
Zenitel Connect Pro is designed to complement your video, access control, and other security systems with unified critical communications; enhancing situational awareness, reducing response time, and optimizing overall security posture. Thanks to its Open Standard design, Zenitel Connect Pro is ready for integration with world leading security and communication platforms. Zenitel Connect Pro is developed with a strong focus on simplified deployment & integration, cybersecurity, and regulatory compliance.

ICX-510 is designed to operate in high demanding electrical, mechanical and operational environments. ICX-510 delivers a high level of system uptime even during a software upgrade where downtime is kept to the minimum possible.

Power supply, mounting equipment, and licenses not included. See *Accessories* and *Used With* tabs for more information.

Read [additional information here](#).

## 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<br>(min/max: 20VDC-63VDC) |
| Mounting            | Wallmount or 19" rack                                 |
| Processor subsystem | NXP LS1043  |
| Storage subsystem   | Solid state (4096 MB Flash).<br>MicroSD, USB          |
| Temperature Range   | -15°C to +55°C  |
| Relative Humidity   | <95%  |

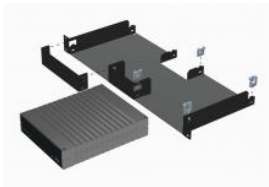
## FEATURES

|                                |  |
|--------------------------------|--|
| Memory                         | 4096 MB SDRAM, 4096 MB<br>NAND Flash, 128 MB NOR Flash                               |
| Network capacity               | 2x 1 Gbit Ethernet ports   |
| Subscriber Capacity            | 200 IP devices per server  |
| Busy Hour Call                 | 15 000 BHCA  |
| Number of simultaneous calls   | 50 simultan calls  |
| Software Integrity Check       | SHA256   |
| IP Priority                    | DiffServ, IP TOS   |
| IP Security                    | Hardware root of trust, SSH,<br>HTTPS, firewall, authentication<br>and authorization |
| SIP                            | RFC 3261, SIP INFO, RE-Invite.<br>RFC 2833, RFC 4733,                                |
| Data interface for integration | Zenitel Link - RESTAPI and<br>Publish/Subscribe API                                  |
| Configuration                  | System Configuration via an easy<br>to use web interface                             |
| Monitoring and Logging         | Web  |
| SW Upgrade of Zenitel Connect  | Web  |
| SW Recovery                    | Recovery via 2nd partition   |
| VoIP Audio                     | HD Voice - G.722 (7 KHz),<br>Telephone Audio - G.711 (3.4<br>KHz)                    |
| Call Modes                     | Open mode, ringing mode, call<br>request mode with priority and call<br>escalation   |

## 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 (IEC/EN 60068-2-2)                    |
| Low Temperature   | -15°C (IEC/EN 60068-2-2)                   |
| Damp Heat, Cyclic | 40°C / 93%RH (IEC/EN 60068-2-2)            |
| Safety            | UL62368-1 certification                    |
|                   | CB certification to IEC62368-1             |

## Accessories



IA-RS1

Rack Shelf for ICX-500/510 - 19"

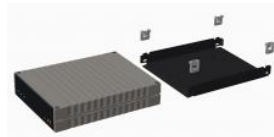


IPS-AC1

PSU for ICX-500/510



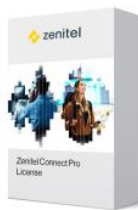
Power Supply 100-240VAC/48VDC 2A



IA-MB1

Mounting Bracket for ICX-500/510

## Used With



Zenitel Connect Pro - Device  
license - ZCL-IC1

Device license for Device group 1



Zenitel Connect Pro - Integration  
license - ZCL-API

License for integration via REST API  
and PubSub API



Zenitel Connect Pro - iPBX trunk -  
ZCL-PBX

Device license per defined trunk



Zenitel Connect Pro Core for x64 -  
ZCC\_x64

Unified Critical Communication  
Platform with integrated security



Zenitel Connect Pro Software  
Maintenance Subscription - ZCUL-  
IC

Upgrade subscription, per connected  
device - 3 years