DATASHEET

1002000200

ICX-510

Server for Zenitel Connect, providing HD voice and video communications



- Made to provide critical audio 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

Zenitel Connect | UL Certified Intercom | Exigo | HD Voice

Description

ICX-510 is the server hardware for Zenitel Connect. Zenitel Connect is the unified critical communication platform designed for operational, 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 is designed to complement your video, access control, and other security systems with unified critical communications, enhancing situational awareness, reducing response time, and optimising overall security posture. Thanks to its open-standard design, Zenitel Connect integrates with world-leading security and communication platforms. Zenitel Connect is developed with a strong focus on simplified deployment & integration, cybersecurity, and regulatory compliance.

ICX-510 delivers high system uptime in demanding electrical, mechanical and operational environments - even during software upgrades.

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

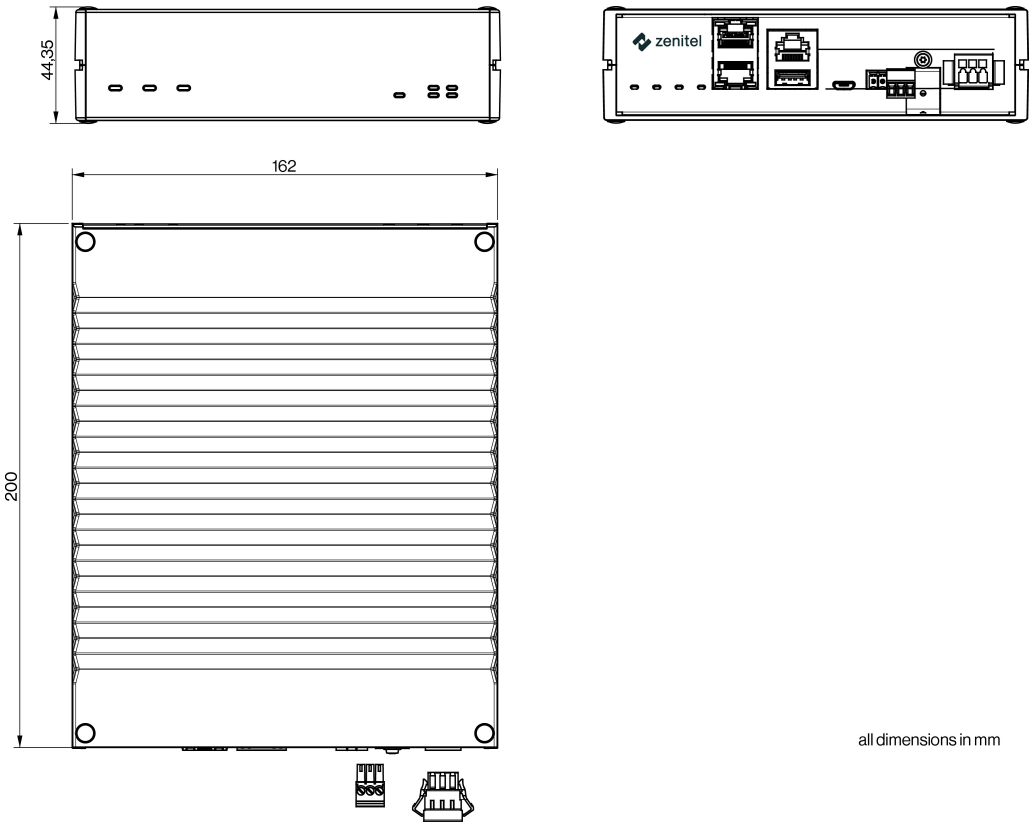
Read additional information here.

Technical Dimensions

www.zenitel.com info@zenitel.com Last revision date: 2026-10-23 14:08

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all dimensions in mm

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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 (4096 MB Flash). MicroSD, USB
Temperature Range	-15°C to +55°C
Relative Humidity	<95%

FEATURES

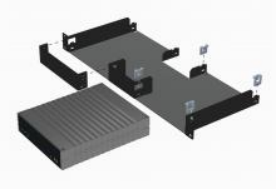
Memory	4096 MB SDRAM, 4096 MB NAND Flash, 128 MB NOR Flash
Network capacity	2x 1Gbit Ethernet ports
Subscriber Capacity	200 IP devices per server
Busy Hour Call	15 000 BHCA
Number of simultaneous calls	50 simultan calls
Software Integrity Check	SHA256
IP Priority	DiffServ, IP TOS
IP Security	Hardware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

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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"

Item Number: 1002500010



IPS-AC1

PSU for ICX-500/510

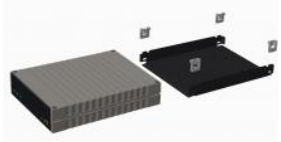
Item Number: 1002510000



Power Supply 100-240VAC/48VDC 2A

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

Item Number: 2990000065



IA-MB1

Mounting Bracket for ICX-500/510

Item Number: 1002500020

Used With

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Zenitel Connect Pro - Device license - ZCL-IC1

Device license for Device group 1

Item Number: 1002700101



Zenitel Connect Pro - Integration license - ZCL-API

License for integration via REST API and PubSub API

Item Number: 1002720900



Zenitel Connect Pro - iPBX trunk - ZCL-PBX

Device license per defined trunk

Item Number: 1002720100



Zenitel Connect Pro Software Maintenance Subscription - ZCUL-IC

Upgrade subscription, per connected device - 3 years

Item Number: 1002790001

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