

# ALPHACOM XE1 AUDIO SERVER

WITH HD VOICE



when communication is critical

## FEATURES

- Made to provide critical communication in any environment
- Supports 552 IP stations
- Environmental friendly and energy saving - max. 4 W
- Global networking and integration
- Extended Software Options
- SIM card based software configuration and disaster recovery
- Fully compatible with any AlphaCom system
- Extended memory supports future expansion and new services
- 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



## DESCRIPTION

With AlphaCom XE, flexibility is key. You can have just a few or thousands of users spread around different locations. Thanks to its open, modular design and scalable architecture, AlphaCom XE has the flexibility to grow with your business and adapt to your long term needs. The system can be tailored to support applications of almost unlimited specificity and complexity.

STENTOFONs CCoIP® (Critical Communication over IP) implies the employment of voice over IP applications required in critical situations. AlphaCom XE is designed with CCoIP which ensures the delivery of instant and secure voice and data services. The AlphaCom XE system provides carrier class system availability and protects resources in an environment by using embedded security mechanisms. The main security mechanisms used are restricted management access, separate management interface, internal firewall, integrity (MD5), (virtual LAN (IEEE 802.1Q) and network access control (IEEE 802.1X).

## SPECIFICATIONS

Dimensions (WxHxD)	332 x 44 x 340 mm / 13.07 x 1.73 x 13.38 inch.
Weight	2 kg / 4.40 lbs.
Power	90-270VAC 4W max.
Mounting	Shelf or 19" rack
Processor subsystem	IntelXP425 with HW acceleration for packet processing and encryption
Media subsystem	DSP @ 1600 MIPS FPGA @ 400K gates
Storage subsystem	Solid state (64MB Flash) SIM card (IP configuration, W-ID)

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1009601002	AlphaCom XE1 - version 11 with license for 2 stations	2 kg / 4.40 lbs.
1009291120	Related items: AlphaPro Professional USB dongle	

## ALPHACOM XE1 ADIO SERVER WITH HDVOICE

Memory	128 MB SDRAM 1 MB NVRAM
Subscriber Capacity	552 intercom stations per server
Busy Hour Call	60 000 BHCA
IP Telephones	552 IP telephones per server
Integrity check	MD5 (RFC 1321)
IP priority	DiffServ/P/TOS
IP security	SSH, HTTPS, firewall
SIP	RFC 3261, SP INFO, RE-Invite RFC 2833, RFC 4733,
VoIP Internal Networking	30 channels
VoIP External Networking	30 channels
ISDN Trunk	ISDN PRI (30 channels)
Analog Trunk	FXO (4 & 8 channels)
GSM Trunk	Quad band G3
Other	Custom ASCII (EDQ), STENTOFON Data, Scripting engine
Configuration	AlphaPro over IP, Web
Monitoring and logging	SNMP trap, SNMP MIB, syslog, Web, e-mail, SQLite
SW Upgrade	Web, Automatic upgrade/Re-Station
VoIP Audio	HDVoice - G.722 (7 KHz), Telephone Audio - G.711 (3.4 KHz)
Open Duplex Conference	20 conference channels Max 20 participants
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

## CONNECTIONS

Two RJ-45 Ethernet terminals are used for LAN, WAN, Internet and AlphaNet IP communication. Eth0 is also used for programming PC.

The serial ports with RS232 and RS422/RS485 interfaces are used for connecting to equipment using these protocols.

The two inputs for clean contacts on RJ45 connectors can execute programmable functions.

The exchange is normally powered from the mains via a 5VDC power supply.