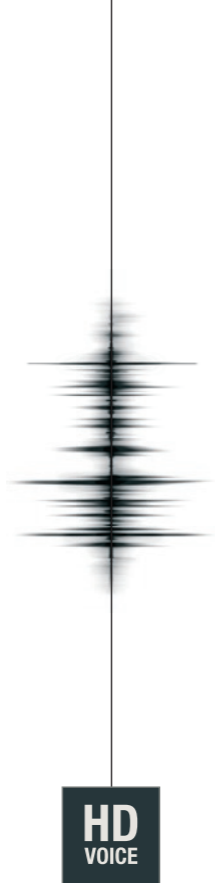# EXTENDED SOFTWARE OPTIONS

- Audio messaging with up to 20 minutes interactive storage time
- Internal and external call billing functionality
- Local and global system networking via AlphaNet and IP networks
- SIP trunking lines for external connection
- IP telephone (SIP) and dect (cordless) subscriber lines
- IP intercom subscriber lines
- Building security protocols for integration with external security systems
- Interfacing with Ring-Master and M100 intercom systems

HD VOICE

INTEGRATION

- Professional mobile radio
- Public address systems
- CCTV and surveillance systems
- Access control systems
- Building security systems
- iPABX and IP telephony
- IP dect telephone systems

STENTOFON TOOLS

STENTOFON ALPHAWEB
Easy setup, supervision and configuration of the XE servers from any web browser.

STENTOFON ALPHANET
STENTOFON's internal networking technology made for critical communications over IP (CCoIP®).

STENTOFON SOFTWARE DEVELOPMENT KIT (SDK)
Makes it easy for 3rd party developers to make value added applications for integration with the AlphaCom XE system. STENTOFON SDK is based on Microsoft .NET Technology

STENTOFON OPC
The AlphaCom XE Audio Server presents information about the capabilities and status of it's connected intercom stations in a consistent manner to any OPC based system management software package.

UPGRADE ▶

	FROM ALPHACOM E7	FROM ALPHACOM E20	FROM ALPHACOM E26
	AMC-IP Version 11	AMC-IP Version 11	AMC-IP Version 11
		Software w/activation code	Software w/activation code
ALPHACOM XE1	ALPHACOM XE7	ALPHACOM XE20	ALPHACOM XE26

CRITICAL COMMUNICATION OVER IP CCoIP®

CCoIP® implies the employment of Voice over IP applications required in critical situations. AlphaCom XE is designed to deliver CCoIP® and 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 IP environment by using embedded IP security mechanisms. The main security mechanisms used are restricted management access, separate management interface, internal firewall, integrity check (MD5), virtual LAN (IEEE 802.1Q) and network access control (IEEE 802.1X).

STENTOFON

STENTOFON® ALPHACOM XE
AUDIO SERVERS

HD VOICE

whencommunicationiscritical

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.

ALPHACOM XE1

1 UNIT HIGH AUDIO SERVER
SUPPORTS 2-552 IP STATIONS

ALPHACOM XE20

6 UNIT HIGH AUDIO SERVER
SUPPORTS 2-552 IP STATIONS AND 102 ANALOG STATIONS

XE FEATURES

- High capacity
- Energy saving
- Global networking and integration
- IP, SIP and analog station support
- Extended software options
- Sim card based software configuration and disaster recovery
- Fully backwards 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

HD VOICE

ALPHACOM XE7

3 UNIT HIGH AUDIO SERVER
SUPPORTS 2-552 IP STATIONS AND 36 ANALOG STATIONS

ALPHACOM XE26

19 UNIT HIGH AUDIO SERVER
SUPPORTS 2-552 IP STATIONS AND 138 ANALOG STATIONS

Processor	Intel XScale @ 533 MHz	Integrity check	MD5 (RFC 1321)
HW accelaration	Media processing, Packet processing, Provisioned for encryption	IP priority	DiffServ, IP TOS
Storage	Solid state (64 MB Flash), SIM card (IP configuration, HW-id)	IP security	SSH, HTTPS, firewall
Memory	128 MB SDRAM, 1 MB NVRAM	VLan	IEEE 802.1Q (Stations)
Subscriber capacity	Up to 552 intercom stations per server	Network access control	IEEE 802.1X (Stations)
Server network	Unlimited servers can be linked together	SIP	RFC 3261, SIP INFO, RE-Invite, RFC 2833, RFC 4733
Traditional stations	6 per line card	VoIP internal networking	30 channels per main processor card, 50 routes
Analogue telephones	12 telephones per line card	VoIP external networking	30 channels supported by main processor card
Busy hour call	60'000 BHCA	ISDN trunk	ISDN PRI (30 channels)
IP telephones	552 IP telephones per server	Analogue trunk	FXO (4 & 8 channels)
Monitoring and logging	Printer, Syslog, Web, SNMP MIB, SNMP Trap, ESPA 4.4.4, SMTP, SMS	GSM trunk	Quad band GSM
Network clock	NTP and SNTP	Configuration	AlphaPro over IP, Web
Ethernet	10/100 Mbps, auto-MDIX	SW upgrade	Web, Automatic upgrade of IP station
OPC	Supported	Internal audio format	1-bit (18,5 kHz)
Service creation	STENTOFON Event Handler, STENTOFON SW Development Kit (SDK, .NET based)	Traditional stations	18,5 kHz audio
Other	Custom ASCII (EDIO), STENTOFON Data	General audio interface	18,5 kHz audio
		VoIP audio	HD Voice - G.722 (7 KHz), Telephone Audio - G.711 (3.4 KHz)

THE CORE - AMC-IP 11

PROCESSOR SUBSYSTEM
- CPU - Intel IPX425, 533 MHz, XScale core + 3 network processors providing hardware acceleration for encryption and packet processing

MEDIA SUBSYSTEM
- DSP - TI TMS320C6205, 200 MHz, 1600 MIPS
- FPGA - XILINX Spartan-3, 64 parallel audio streams, 400k gates

STORAGE SUBSYSTEM
- Flash (solid state) - 64 MB (program, log, audio messages)
- Other - SIM card (IP configuration, HW-id)

AUDIO SERVICES

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