

ALPHACOM XE1 - V.11



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.

STENTOFON's CCoIP® (Critical Communication over IP) implies the employment of Voice over IP applications required in critical situations. AlphaCom XE is designed with CCoIP incorporation 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 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).

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	90-270 V AC 4 W max.
Mounting	Shelf or 19" rack
Processor subsystem	Intel IXP425 with HW acceleration for packet processing and encryption
Media subsystem	DSP @ 1600 MIPS FPGA @ 400K gates
Storage subsystem	Solid state (64 MB Flash) SIM card (IP configuration, HW-ID)

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1009601003	AlphaCom XE1 - v.11 with license for 3 stations	2 kg / 4.40 lbs.
1009291120	Related items: AlphaPro Professional, USB dongle	

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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, IP TOS
IP security	SSH, HTTPS, firewall
SIP	RFC 3261, SIP 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 GSM
Other	Custom ASCII (EDIO), 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 of IP station
VoIP Audio	HD Voice - G.722 (7 KHz), Telephone Audio - G.711 (3.4 KHz)
Open Duplex Conference	20 open duplex conferences can be configured A maximum of 16 subscribers can participate in conference simultaneously.
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 IP LAN, WAN, Internet and AlphaNet IP communication. Eth0 is also used for programming the 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 the RCI connectors can execute programmable functions. Note that the cabinet needs to be opened to get access to these connectors.

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