

1009202100

## AMC-IP Version 11

Processor Board for AlphaCom XE and ESC1



### Description

- ✓ Made to provide critical communication in any environment
- ✓ Supports 552 IP stations
- ✓ Global networking and integration
- ✓ IP, SIP and analog station support
- ✓ Extended Software Options
- ✓ SIM card based software configuration and disaster recovery
- ✓ Backwards compatible with older AlphaCom systems
- ✓ 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

The AMC-IP processor board for AlphaCom XE comes with more features, greater flexibility and increased audio bandwidth. AlphaCom XE utilizes true IP audio edge devices (IP master stations, IP substations and SIP stations) that provide HD Voice, active noise cancellation, adaptive jitter buffering, and an integrated managed switch with advanced networking and security functions.

The processor board offers more capacity than ever, allowing for additional software-based features and functions such as PA broadcasting and messaging services, security voice guidance, internal and external networking, call billing, audio conferencing and SIP station support. Vingtor-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 and integrity check (MD5). The AMC-IP processor board is backwards compatible, thus facilitating upgrades and expansion of existing AlphaCom systems.

The AMC-IP processor board is also used in Exigo systems. In these systems it is responsible for maintaining the configuration and monitoring of all the devices connected in addition to controlling the routing of audio in the system. Located inside the Exigo System Controller ESC1 where it is designated as the Primary System Controller (PSC), it provides maintenance personnel instant access to the status and activity in the system. Exigo systems requiring additional redundancy (A-B systems) will use two Exigo systems controllers, each containing one AMC-IP processor board.

See also: [additional documentation on wiki.zenitel.com](http://wiki.zenitel.com)

# Specifications

## GENERAL

Dimensions (WxHxD)	10 x 230 x 263 mm / 0.39 x 9.05 x 10.35 inch., Double Extended Europe Format
Central processor	Intel IPX425, 533 MHz, XScale core, 3 Network Processor Engines, HW acceleration encryption and packet processing
Media processors: DSP , FPGA	TI TMS320C6205, 200 MHz, 1600 MIPS XILINX Spartan-3, 64 parallel audio streams
RAM, Workspace, NVRAM (Battery)	128 MB SDRAM, 1 MB SRAM
Storage, solid state, SIM card	64 MB HW-ID, IP configuration
Integrity check	MD5 (RFC 1321)
IP priority	DiffServ, IP TOS
IP security	SSH, HTTPS, firewall
SW Upgrade	Web, Automatic upgrade of IP station

## ALPHACOM MODE

Subscriber Capacity	552 intercom stations
Busy Hour Call	60 000 BHCA
IP Telephones	552 IP telephones
SIP	RFC 3261, SIP INFO, RE-Invite RFC 2833, RFC 4733
VoIP Networking	30 channels
Service creation	VINGTOR- STENTOFON Software Development Kit (SDK), OPC

Other	Custom ASCII (EDIO), VINGTOR- STENTOFON Data, Scripting engine
Configuration	AlphaPro over IP, Web
Monitoring and logging	SNMP trap, SNMP MIB, syslog, Web, e-mail, SQLite
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 conferences 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)

## EXIGO MODE

System capacity	500 Device resources; Amplifiers require 5, access panels and IP speakers require 1
System size	200 zones
System configuration	VINGTOR- STENTOFON Exigo Mangement Tool
Monitoring and logging	SNMP trap, SNMP MIB, syslog and Web,

## ORDER NUMBER

1009202100	Processor Board, AMC- IP - version 11
1009296100	SIM Card AlphaCom XE1 and XE7
1009296200	SIM Card AlphaCom XE20 and XE26

## Used With



### AlphaCom XE26

Audio Server for 19" Rack  
Mounting



### AlphaCom XE20

Audio Server for 19" Rack  
Mounting



### AlphaCom XE7

Package with 2 ASLTs



### AlphaCom XE1

Audio Server with HD Voice



## ESC1

Exigo System Controller