

PROCESSOR BOARD

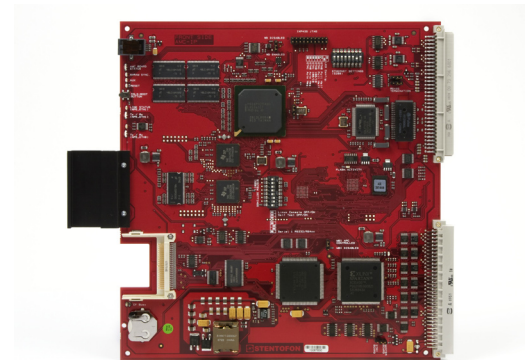
AMC-IP - VERSION 10



when communication is critical

FEATURES

- Next generation multiservice card with integrated media processing engine, packet processing engine and HW encryption
- Made for critical communication and safety solutions
- Best of both worlds – supports a mix of IP and traditional services
- Backward compatible
- SIP interoperability with external VoIP systems and equipment
- Wide range of open interfaces
- New services through Web, i.e. remote programming
- Networking capabilities to extend your solution geographically



DESCRIPTION

The AMC IP card is the next generation multiservice card made for the STENTOFON AlphaCom E series. The card is made for critical communication and security solutions featuring an embedded real time operating system, integrated media processing engine, packet processing engine, HW encryption and storage module. The AMC IP card provides full backward compatibility in both software and hardware. All traditional AlphaCom services and interfaces are supported. The card can even support traditional AlphaCom feature card and cabinets, allowing STENTOFON AlphaCom 80+ and AlphaCom 138 to be upgraded with AlphaCom E features.

The AMC IP card opens up for a new set of innovative services to improve cost efficiency, service capabilities and system operation. A wide range of open interfaces allow extended integration with different kinds of communication and alarm systems, access control, CCTV, public address, public telephones and a variety of features and solutions that can be added when desired. It is easy to interface to 3rd party systems to create special applications.

The new technology allows remote programming, logging and maintenance via AlphaPro, Syslog and standard web browsers. The integrated Web and SIP server extends the AlphaCom communication and security solution to external systems such as PDA, IPBXs, mobiles, and PCs.

SPECIFICATIONS

Dimensions (WxHxD)	.4" x 9" x 10.35", Double Extended Europe Format
Central processor	Intel IPX425, 400 MHz, XScale core, 3 Network Processor Engines, Hardware Encryption

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1009202000	AlphaCom E Module Controller, AMC IP	1.1 lbs.
1009511000	Filter Board AMC IP, FBIP	.45 lbs.

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Media processors: DSP FPGA	TI TMS320C6205, 200 MHz, 1600 MIPS XILINX Spartan-3, 32 parallel audio streams
RAM, Workspace NVRAM (Battery)	128 MB SDRAM 1 MB SRAM
Flash Program Optional	32 MB StartaFlash Up to 4 GB Compact Flash
Serial ports: RS232 only RS232 / 422 / 485	Up to 115200 bps Up to 115200 bps
Ethernet ports (2 x)	IEEE 802.3 10/100 Mbps, Half / Full Duplex Auto Negotiation Auto MDI/MDIX switch-over
IP protocols	IP v4 - IP v6 - TCP - UDP - Telnet - FTP - NTP - HTTP 1.1 - Syslog - SNMP v2c - SIP - RTP - RTCP - VoIP AlphaNet - STENTOFON data
Audio technology	High-Resolution 1-Bit Audio - High-Fidelity 40 Hz-18.5 kHz - Wideband 7kHz (G.722) - Narrowband 3.4 kHz (G.711) - Adaptive Jitter Buffers - Adaptive Time Synchronization

INSTALLATION

The AMC-IP board can substitute the CPU card in existing AlphaCom 80+ and 138 exchanges, and is standard in the new AlphaCom E7, E20 and E26 exchanges. In AlphaCom E20 and E26 exchanges the board plugs into board position 25, in the AlphaCom E7 it plugs into position 7.

The board can be inserted in a powered cabinet by connecting the power hot-plug cable to the board prior to insertion. The AMC status LED is red. Remove the plug when the board is in place. If a hot-plug cable is not available, the mains switch must be turned off. A filter and connection board, FBIP, must be inserted from the rear side of the cabinet in the same card position as the AMC-IP card. This filter board is not needed in AlphaCom E7 where all EMC filters and external connectors are integrated in the backplane.

