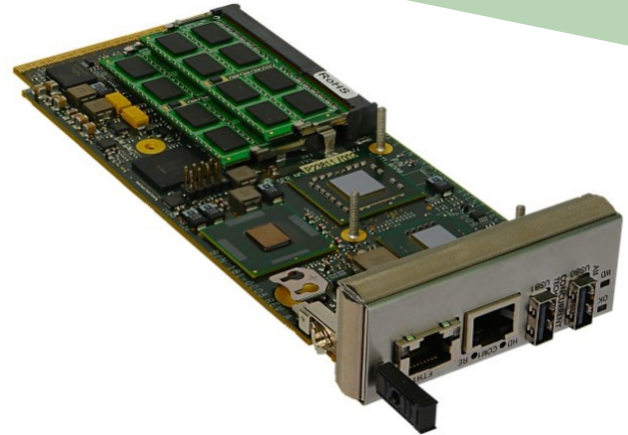


## Intel® Core™ 2 Duo Processor AdvancedMC™ Module



### APPLICATIONS

The AM 210/x0x is a high performance single-width, full or mid-height, AdvancedMC™ processor module. The module supports the 2.26 GHz Intel® Core™ 2 Duo processor SP9300 or the 1.86 GHz Intel® Core™ 2 Duo processor SL9400, with an Intel® GS45 and ICH9M-E chipset and up to 8 Gbytes DDR3-1066 memory. The AM 210/x0x is designed in compliance to AMC.0, AMC.1 Type 8 (x8 PCI Express®), AMC.2 Type E2 (2x Gigabit Ethernet) and AMC.3 Type S2 (2x SATA ports). The module also features four USB 2.0 ports, two RS232

ports, two additional SATA ports and one additional Gigabit Ethernet interface. Supporting full hot swap and IPMI capabilities with a range of industry standard operating systems, the AM 210/x0x is designed for use in AdvancedTCA® or MicroTCA™ applications in the telecommunications, scientific, and defense markets. Options to operate in temperatures from -25°C to +70°C are available. Application examples include media-servers or blade-servers.

### HIGHLIGHTS

- Single-width, full-height or mid-height, AdvancedMC processor module:
  - compliant to AMC.0
- Can be configured for compliance with the requirements of the SCOPE Alliance
- 2.26 GHz or 1.86 GHz Intel Core 2 Duo processor:
  - 32 Kbytes L1 cache
  - 6 Mbytes L2 cache
  - Intel® 64 (or Intel® EM64T) 64-bit computing support
- Up to 8 Gbytes of DDR3-1066 SDRAM
- 3 x Gigabit Ethernet interfaces:
  - AMC.2 Type E2 (2 interfaces, Serdes type)
  - 1 additional interface via front panel RJ45 connector
- x8 PCI Express® fabric port:
  - AMC.1 Type 8
- Up to 4 x external USB 2.0 ports:
  - 2 front and optionally 2 rear
- Support for onboard USB 2.0 Flash Drive Module
- Up to 4 x Serial ATA interfaces on rear I/O:
  - AMC.3 Type S2
  - optionally two additional interfaces
- 2 x RS232 serial channel interfaces:
  - 1 front and optionally 1 rear
- 4 Mbyte of BIOS Flash EPROM
- Hot swap compliant:
  - compliant to AMC.0
- IPMI (Intelligent Platform Management Interface):
  - IPMI Version 1.5 according to AMC.0
- Watchdog timer and Long Duration Timer
- Extended temperature versions available:
  - -25°C to +70°C (E-Series)
  - 1.86 GHz, full-height front panel
  - 2.26 GHz, full-height front panel
- Support for Linux®, Windows® Server 2003, Windows® Server 2008, Windows® XP, Windows® XP Embedded, QNX® and VxWorks®

