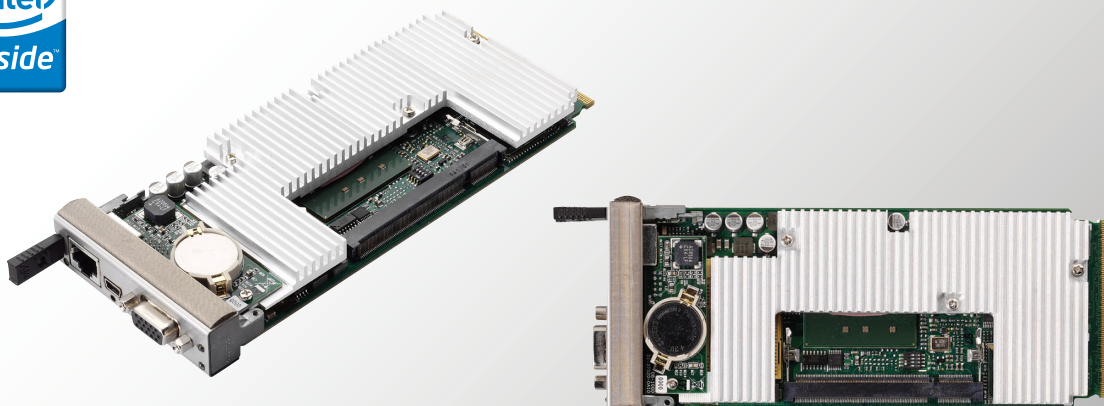


AMC-1000

Intel® Core™2 Duo Mid-Size AdvancedMC™ Processor Module



The AMC-1000 is an optimized mid-size or full-size processor AMC. It features the Intel® Core™2 Duo 64-bit processors and 3100 server class integrated chipset to balance power consumption, computing power and IO throughput. The AMC.1 ports can be two x4 or eight x1 PCI Express® ports and AMC.2 E2 provides two GbE ports to support high speed data transport. An industrial standard DDR2-400 SO-RDIMM socket supports up to 4 GB system memory with ECC protection. Soldered down 4 GB USB interfaced flash memory and AMC.3 S2 SATA ports can support on-board and off-board storage. In addition, analog RGB up to 1600 x 1200 UXGA resolution is also integrated to support various applications on ATCA or MicroTCA platforms.

Features

- Intel® Core™2 Duo processor
- Server class Intel® 3100 chipset
- AMC.0 single-width, mid-size
- AMC.1 Type 1/4, AMC.2 E2 and AMC.3 S2 (SATA)
- Single DDR2-400 SO-RDIMM socket up to 2 GB capacity
- On board 4 GB flash and graphics controller

Ordering Information

AMC-1000/CM423/M1G	PrAMC Intel® Celeron® M ULV 423 1.05 GHz, 1 GB SORDIMM
AMC-1000/L7400/M1G	PrAMC Intel® Core™2 Duo L7400 1.5 GHz, 1 GB SORDIMM

Specifications

CPU / Chipset / RAM

CPU	Intel® Core™2 Duo Processor
Chipset	Intel® 3100 Chipset
Memory	Single DDR2-400 200-pin SO-RDIMM Socket, 4 GB

BIOS

Flash	Award® BIOS with 4 Mb flash memory
Features	Intel® PXE pre-boot Remote Console

I/O Interfaces

Graphics	ATI ES1000 with 64 MB DDR, up to UXGA 1600 x 1200 Resolution
USB	V2.0, Type B
AMC.x	AMC.0 single-width, mid-size AMC.1 PCI Express® Type 1/4 or 8x PCIe® x1 AMC.2 Gigabit Ethernet Type E2 AMC.3 SATA Storage Type S2
Storage	On-board 4 GB USB Flash
RTM	USB Port 19-20 SATA Port 15-18
Front Panel I/Os	VGA, USB, COM

PICMG Standard

Standards	AMC.0 Advanced Mezzanine Card R2.0 AMC.1 PCI Express® R1.0 AMC.2 Gigabit Ethernet R1.0 AMC.3 Storage R1.0
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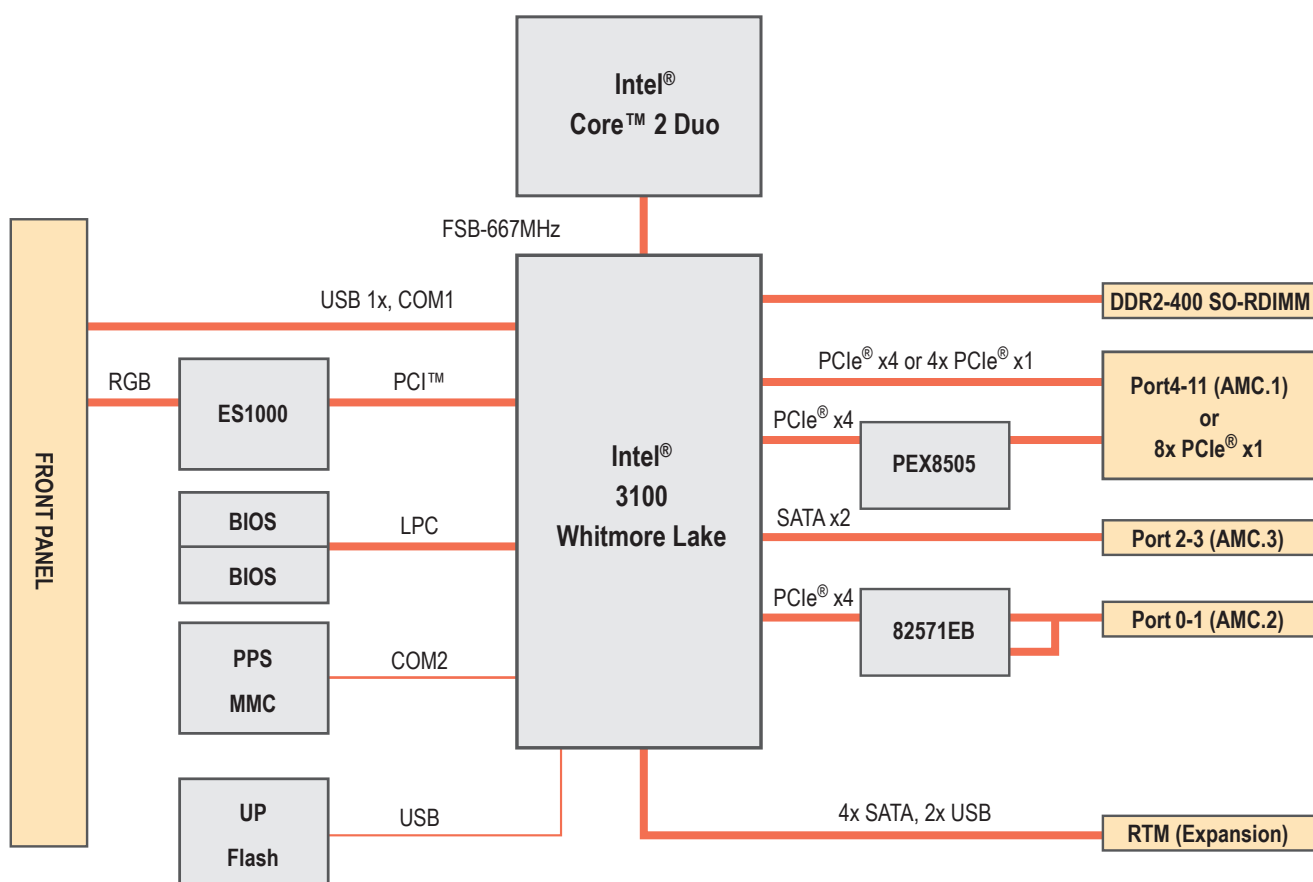
AMC-1000

Intel® Core™2 Duo Mid-Size AdvancedMC™ Processor Module

Mechanical and Environmental

Form Factor	AMC.0 Advanced Mezzanine Card R2.0
Dimensions	181.5 mm x 73.5 mm x 18.96 mm (Mid-size) 181.5 mm x 73.5 mm x 28.95 mm (Full-size)
Weight	450g 1lb
Operating Temp.	-5°C to 55°C
Storage Temp.	-20°C to 8°C
Humidity	5% to 95%, non-condensed
Shock	15 G peak-to-peak, 11 ms duration, non-operation
Vibration	Non-operation: 1.88 Grms, 5-500 Hz each axis Operation: 0.5 Grms, 5-500 Hz each axis
Power Consumption	AMC-1000/L7400/M2G, 36 W
Certification	FCC, CE, CUL, NEBS Level 3 (Design)

Block Diagram



1
AdvancedTCA
Products

2
6U cPCI
SBC

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6U cPCI
Platforms

4
3U cPCI
SBC

5
3U cPCI
Platforms

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SBC & IMB

7
Industrial
Chassis

8
Computer
On Modules

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Network
Security
Appliances

10
Panel PC

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IPC
Accessories