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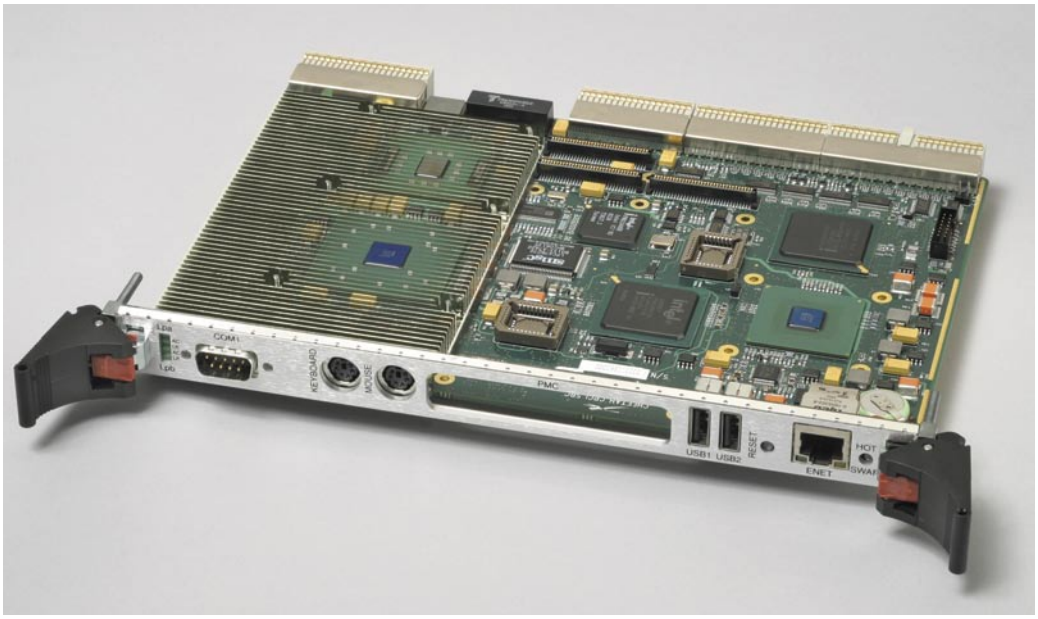
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Find the *Mercury Computer Systems / Momentum Computer Cheetah-C* at our website: *Click HERE*

Cheetah-C

CompactPCI Pentium® M Single Board Computer

momentum COMPUTER



High Performance Pentium M processor, Gigabit Ethernet via PICMG 2.16

The Momentum Computer Cheetah-C is an Intel Pentium® M processor based CompactPCI Single Board Computer, in a 6U form factor, operating at 1.1 or 1.6 GHz.

The board incorporates the Intel E7501 memory controller that supports a 400 MHz processor bus and dual channel 200 MHz DDR SDRAM with ECC.

Two 10/100/1000Base-T Ethernet ports are routed to the backplane J3 connector as PICMG 2.16 nodes. Two IPMB interfaces are also provided on the backplane J1 and J2 connectors for PICMG 2.9 compliance.

The Cheetah-C provides a wide range of I/O and storage interfaces through front panel and backplane J3 connector. A 64-bit 66/33 MHz PMC site is included for onboard I/O expansion. A 16-bit 1.066 Gbyte/s Hub 2.0 and 32-bit, 33 MHz PCI interfaces are also included on the backplane J5 connector for rear I/O expansion.

VERSATILE I/O:

- One 64-bit 66/33 MHz PMC site (IEEE P1386/P1386.1).
- 16-bit 1.066 Gbyte/s Hub 2.0 interface on backplane J5 for high speed rear I/O expansion.
- ATA, FDD and Parallel Port on backplane J3.
- 32-bit 33 MHz PCI interface on backplane J5 for I/O expansion.
- Two 10/100/1000Base-T Ethernet links through backplane J3 (PICMG 2.16).
- Two serial ports: one on backplane J3 and one on the front panel.
- One 10/100Base-Tx Ethernet port on the front panel.
- Two IPMB interfaces on backplane J1 and J2 (PICMG 2.9).
- Two USB ports on the front panel.
- PS2 Keyboard and Mouse interfaces on the Front panel.

FEATURE SET:

- Intel Pentium M Processor running at 1.1 GHz or 1.6 GHz core frequency and 400 MHz Processor System Bus frequency.
- Single slot 6U CompactPCI board.
- Operates in a CompactPCI system slot.
- Backplane I/O pin-out compatible with Momentum Computer LC I/O RTM board.
- Transparent PCI to PCI bridge interfaces to 32-bit or 64-bit CompactPCI bus operating at 33 MHz or 66 MHz (PICMG 2.0 R3.0).
- Hot Swappable (PICMG 2.1 R2.0).
- Windows® 2000/XP, Linux, VxWorks, Solaris and other Operating Systems.
- 0-55°C operating temperature (ambient).

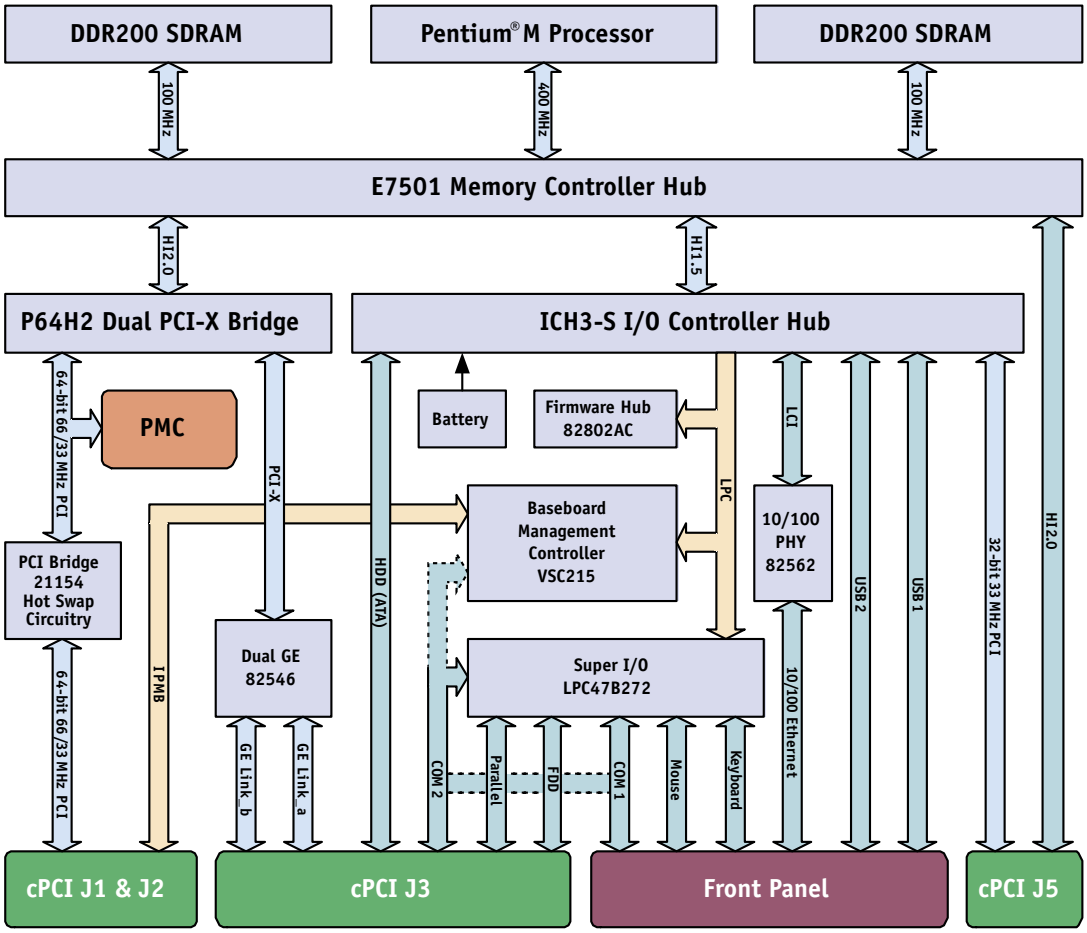
MEMORY AND STORAGE:

- Up to 2 Gbyte of DDR SDRAM with ECC at 3.2 Gbyte/s peak bandwidth.
- 1 Mbyte Firmware Hub.
- Battery backed Real Time Clock.

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Cheetah-C

CompactPCI Pentium® M Single Board Computer



If Cheetah-C doesn't fit your specific requirements:

Momentum Computer specializes in quick turn custom development and production of high performance processor boards and I/O boards.

Custom designs give you a competitive edge by providing the unique features needed for a leading market position.

Custom designs by Momentum Computer are accomplished so rapidly that time-to-market targets can be met with confidence.

We're ready to work for you.

momentum COMPUTER

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