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Find the *Ribbon / Performance Technologies CPC5505A* at our website: *Click HERE*

PERFORMANCE TECHNOLOGIES

CPC5505

High-Performance, Low-Power Single Board Computer



Highlights

>> Single-Slot 6U Single Board Computer

>> 1.8 GHz Intel® Pentium® M Processor

>> Intel® 6300ESB I/O Controller Hub

>> 400 MHz Front Side Bus

>> 1 MB L2 Cache

>> One PT7MC Site That Supports 64-bit PCI and Dual 10/100/1000 Ethernet

>> Optional Hard Drive

>> Up to 2 GB of DDR SDRAM with ECC at 3.2 GB/Peak

>> Part of Performance Technologies' Advanced Managed Platforms™ Offering

>> 32-bit/33 MHz CompactPCI® Bus Bandwidth

>> Dual 10/100/1000 Base-T Ethernet Links through Backplane J3 (PICMG® 2.16)

The CPC5505 PICMG® 2.16-Compliant Single Board Computer takes advantage of the latest advances in the embedded processor and support chipset roadmap that establishes the benchmark of Intel® Pentium® M-based SBCs for CompactPCI®-based designs.

The CPC5505 is part of the Advanced Managed Platforms™ embedded product family. It is a single-slot system master CPU board operating at 1.8 GHz, and is fully compliant with the PICMG 2.16 packet-switched backplane and 2.9 Intelligent Platform Management Interface (IPMI) standards. It also provides access to the 32-bit/33 MHz CompactPCI bus.

The CPC5505 has a mezzanine connector that provides future extensibility for in-network applications by integrating dual GbE routings and 64-bit PCI to the PMC site. PMC modules that support applications, such as security, storage, video streaming, and firewall, can be added to the site, thereby enhancing system functionality and performance.

Computing Core

- Intel Pentium M, 1.8 GHz
- 400 MHz front side bus
- Intel 855GME chipset with 6300ESB I/O controller hub
- Supports up to 2 GB DDR SDRAM with ECC at 333 MHz
- 16 MB onboard flash
- One 64-bit/66 MHz local PCI-X bus (PTMC)
- One 32-bit/33 MHz CompactPCI bus

Features

- Single PT7MC site
- Single 2.5-in. IDE HD
- Dual 10/100/1000 Ethernet ports
- Two COM ports
- Single VGA port
- Three USB ports (2.0)
- Supports either RTM 4807 or RTM 4808 for system expansion

Warranty

One year.

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CPC5505

Technical Specifications

Ordering Information

>> **CPC5505-B3M0H0**
1.8 GHz, No DDR SDRAM, No HDD

>> **CPC5505-B3M1H0**
1.8 GHz, 512 MB DDR SDRAM, No HDD

>> **CPC5505-B3M1H1**
1.8 GHz, 512 MB DDR SDRAM, 40 GB IDE HDD

>> **CPC5505-B3M2H0**
1.8 GHz, 1 GB DDR SDRAM, No HDD

>> **CPC5505-B3M2H1**
1.8 GHz, 1 GB DDR SDRAM, 40 GB IDE HDD

>> **CPC5505-B3M3H0**
1.8 GHz, 2 GB DDR SDRAM, No HDD

>> **CPC5505-B3M3H1**
1.8 GHz, 2 GB DDR SDRAM, 40 GB IDE HDD

Rear Transition Modules

>> **PT-RTM4807-12030**
Rear Panel Transition for use with 2.16 Backplane

>> **PT-RTM4808-11983**
Rear Panel Transition with Rear Ethernet for CompactPCI

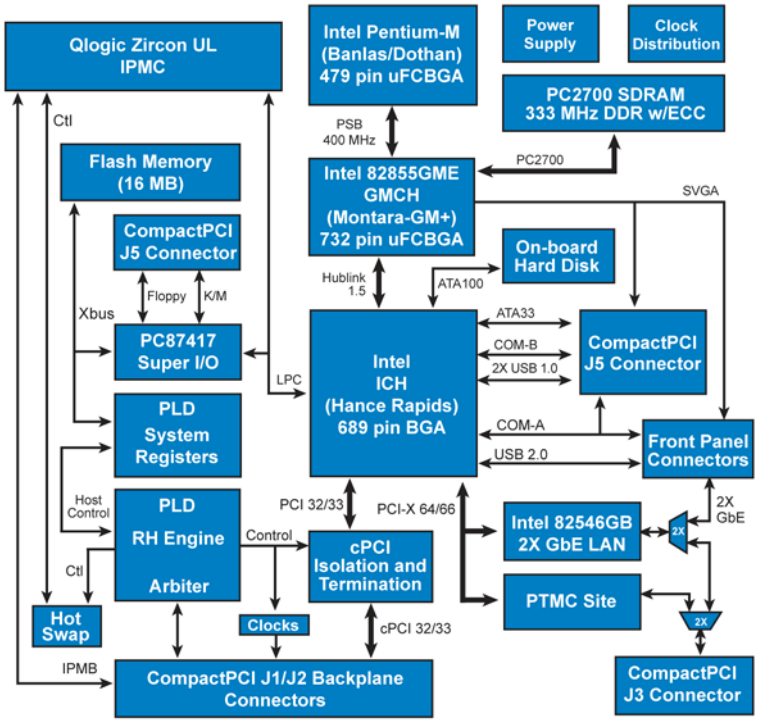
RoHS • WEEE COMPLIANT

Contact Information

Performance Technologies
205 Indigo Creek Drive
Rochester, NY 14626

Tel: 585.256.0200
Fax: 585.256.0791
E-mail: sales@pt.com

www.pt.com



Processor
- 1.8 GHz Intel Pentium M
- 400 MHz front side bus

Memory
- 0.5, 1, or 2 GB DDR SDRAM with ECC at 333 MHz
- 16 MB onboard flash
- Access to optional 2.5-in. EIDE hard disks over ATA 100 or ATA 33

Physical Interfaces
- Two front or rear panel Gb Ethernet RJ-45 connectors
- USB 2.0 front panel, USB 1.0 rear panel
- One front panel com port, one or two rear panel com ports
- PICMG® 2.16 CompactPCI packet-switched backplane (node) with Gb Ethernet links
- System reset: one recessed micro-switch on front panel

Dimensions
- Single width CompactPCI® form factor, 6U x 4HP, 233 mm x 160 mm (9.17 in. x 6.3 in.)

Specification Compliance
- PICMG 2.16 R1 CompactPCI packet-switched backplane
- PICMG 2.9 R1.0 CompactPCI system management specification/IPMI (intelligent platform management interface) version 1.5
- PICMG 2.0 R3.0 (CompactPCI) and 2.1 R2.0 (hot swap)

Power Requirements
- 28 W typical, 37.7 W maximum

Environmental
- Operating: 0° to 50°C (32° to 122°F)
- Non-operating: -20° to 80°C (-4° to 176°F)
- Humidity: 5 to 90% RH non-condensing

Agency Certifications (Pending)
- FCC Class A
- CE
- UL 60950
- EN 60950
- ETSI EN 300 386
- Designed to meet the requirements of NEBS Level 3

MTBF
- 223,215 hours per Bellcore SR-332, Issue 1

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