**PERFORMANCE TECHNOLOGIES**

## Highlights

>> **Single Slot 6U Single Board Computer**

>> **1.6 GHz/1.8 GHz Intel® Pentium® M Processor**

>> **Intel 6300ESB I/O Controller Hub**

>> **400MHz Front Side Bus**

>> **1MB L2 Cache**

>> **One PT7MC Site Supporting 64-bit PCI and Dual 10/100/1000 Ethernet**

>> **Optional Hard Drive**

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

>> **Part of our Advanced Managed Platform Offering**

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

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

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

The CPC5505 is part of the Advanced Managed Platform offering and embedded product family. It is a single slot system master CPU board operating at 1.6 GHz/1.8 GHz, fully compliant with the PICMG 2.16 packet- switched backplane and 2.9 Intelligent Platform Management Interface (IPMI) standards. It also provides a 32-bit/33MHz CompactPCI bus.

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

### About Advanced Managed Platforms
Performance Technologies' Advanced Managed Platform products are built upon the intelligent AMP™ Architecture, which ensures standards-based, reliable and comprehensive management throughout all active platform components, including the power supplies.

### Computing Core

- Intel Pentium M - 1.6 GHz/1.8 GHz
- 400MHz front side bus
- Intel 855GME chipset with 6300ESB I/O controller hub
- Supports up to 2GB DDR SDRAM with ECC at 333MHz
- 16MB onboard flash
- One 64-bit/66MHz local PCI-X bus (PTMC)
- One 32-bit/33MHz CompactPCI bus

### Features

- Single PT7MC site
- Single 2.5″ IDE HD
- Dual 10/100/1000 Ethernet ports
- Two COM ports
- Single VGA port
- Three USB ports (2.0)
- Compatible with ZT 4807eA RTM

## Highlights

>> **Two IPMB Interfaces on Backplane J1 and J2 (PICMG 2.9)**

>> **Hot-Swappable (PICMG 2.1 R2.0)**

>> **Support for VxWorks®, Windows® 2000/XP and Linux**

## Ordering Information

>> **To discuss specific requirements and/or pricing, contact sales@pt.com.**
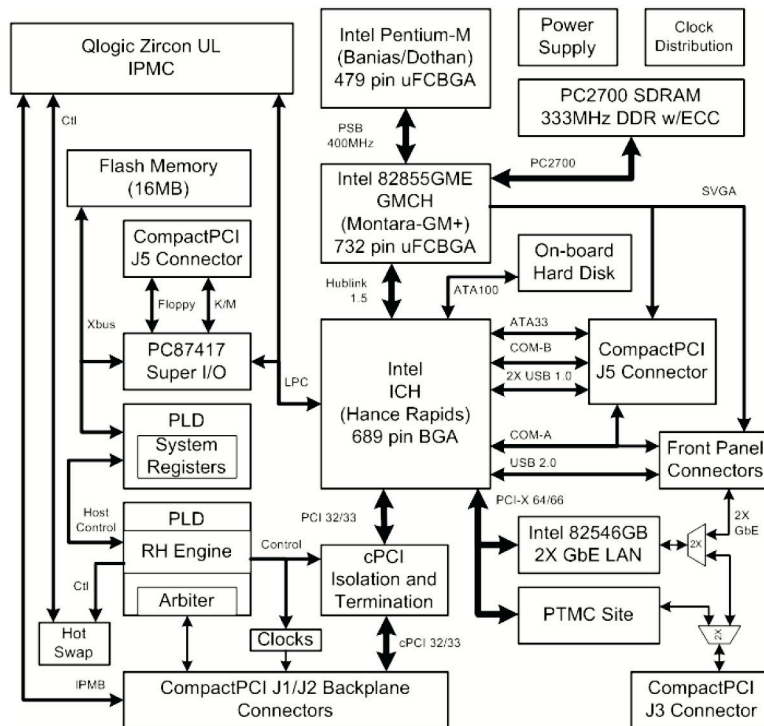
## Contact Information

**Performance Technologies**
205 Indigo Creek Dr.
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Tel: 585-256-0200
Fax: 585-256-0791
E-mail: sales@pt.com

## Warranty

One year



## Specifications

The CPC5505 is compliant with the following specifications:
- Compliant with PICMG® 2.0 R3.0 (CompactPCI®) and PICMG 2.1 R2.0 (hot-swap) specifications
- Compliant with PICMG 2.16 (packet switching backplane) and 2.9 (CompactPCI system management)
- Compliant with the standard IPMI v1.5 specification
- Designed for NEBS Level 3 and ETSI installations

Note: To provide proper cooling to the CPC5505, each unused slot in the chassis should be populated with an air management blade. All rear slots should be populated with a rear filler panel. See the list below for orderable components:

- To cover a single rear panel slot, use a filler panel that is 6U x 4HP (horizontal pitch=0.2") (Performance Technologies PN 18299).
- To cover six rear panel slots, use a filler plate that is 6U x 24HP (Performance Technologies PN 20434).
- To fill a front slot, use an air management blade that is 6U X 4HP (Performance Technologies PN 20456).
- To fill a power supply bay, use an air management blade that is 3U X 8HP (Performance Technologies PN 20455).
- To fill an SM slot, use a filler panel that is 3U X 4HP (Performance Technologies PN 18309).