

**Dynattem, Inc.**

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**C3PM**

The C3PM is a 3U CompactPCI compatible platform based on the Intel® low power Pentium® M processor. The Pentium M's low power consumption ideally equips the C3PM for rugged applications. The C3PM is built with no socketed components and an optional full-board heat sink and wedgelocks for operation in high shock/vibration conditions and extreme temperatures.

The 855GME and 6300ESB chipset supports PCI-X expansion to a dual-port 1000BASE-TX Ethernet controller, integrated VGA, two USB 2.0 ports, ATA/100, Serial ATA, and two configurable RS-232/422 COM ports. Onboard CompactFlash permits single-slot booting. Conventional PC I/O is accessible with industry standard connectors on an optional rear I/O module.

All I/O is routed through the J2 backplane connector.

**FEATURES**

- › CompactPCI compatible 3U form factor
- › Intel® Pentium® M Processor. Available with the Ultra Low Voltage 1.0 GHz @ 5.5 W , Low Voltage at 1.4 GHz @ 10 W or 1.8 GHz versions
- › 512 MByte of DDR-266 DRAM with a memory bandwidth of 2.1 GBps
- › Single-slot CompactPCI operation with an onboard CompactFlash disk for bootable mass storage
- › CPM1 standard operating temperature range of -40 °C/+71 °C, -40 °C/+85 °C versions are also available
- › PICMG 2.0 R3.0 compliant
- › An Intel 82546 Ethernet controller supports two 10/100/1000BaseTX Ethernet ports routed to the J2 connector
- › 855GME provides an integrated 32-bit 3D core at 133 MHz SVGA is routed to the J2 connector
- › Primary IDE port is routed to a separate Type II compatible CompactFlash module that attaches to the cooling plate
- › General Software's flash-based system BIOS with a variety of boot options including CD-ROM, USB, and PXE over Ethernet
- › COM1/3, Serial ATA, two USB 2.0 ports, two 1000BASE-TX Ethernet ports, and VGA are routed through J2
- › Also available in rugged, conduction-cooled versions