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Find the *Curtiss-Wright / VMETRO / Micro Memory MM-6125CN* at our website: ***Click HERE***

Announcements

First 8GB RACE++ VME board to include quad Serial FPDP ports...

A/D converter with six 14-bit 105 MHz channels, dual RACE++ and 8GB in a single VME slot...

μmem™ NVRAM cards now available with up to 16GB of battery-backed SDRAM...

Tech Notes

Crossing Boundaries: Overcoming the 256 MB limitation in RACE and MC/OS...

Basics of PCI memory mapping...

NAND vs. NOR: Different types of Flash memory for different types of applications...

Product Spec Sheets

Please Select One:

MM-6125CN

2GB 64-bit/66MHz Battery-Backed PCI Mezzanine Card

FEATURES:

Capacity: 256MB, 512MB, 1GB and 2GB
Two on-board redundant lithium ion batteries
Specialized Mailbox DMA for maximizing read and write transfers
Error Detection and Correction
Transfer Rate: Up to 533 MB/s
PCI Mezzanine Card (PMC) with 64-bit/66MHz PCI 2.2 interface
Device drivers for several operating systems available
Supports interrupts

DESCRIPTION:

MM-6125CN Product Specification Sheet (PDF file format)

The MM-6125CN can be integrated into IP storage and SAN management switches, NFS servers, and NAS blades that have an available PMC slot.

The card has specifically been designed to improve performance in I/O bound applications such as file journaling, sequential logging, or any operations requiring frequent disk accesses.

The MM-6125CN is a PMC card with a 64-bit/66MHz PCI interface and 128MB to 2GB of NVRAM. Redundant, rechargeable lithium ion batteries are on-board to provide data retention in the event of a power loss. The battery circuitry and failover have been refined over twenty-five years of product development to ensure the utmost in data retention and availability.

Because the MM-6125CN resides on the PCI bus, I/O transfers to memory are only limited by bus speeds instead of a cable interlink which usually has significant latency. The card's non-volatility features also enable data to be retrieved after a power failure or system reset. Because the card utilizes solid state memory, there is no head seek time as experienced with rotating storage media. This, combined with the card's data retention capabilities, make the MM-6125CN the ideal solution for journaling file systems and host based write-caching.

MM-6125CN Specifications

- **Capacity:** 256MB, 512MB, 1GB, 2GB
- **Compatibility:** PCI Local Bus Specification Rev. 2.2
- **Burst Mode Transfer Rate:** Up to 533 MB/s
- **Bus Mastering:** DMA Initiator and Target capabilities
- **Interrupts:** Supports Interrupts
- **Data Integrity:** Error detection and correction for all single-bit errors and detection for double-bit errors.
- **Batteries:** Two 650 mA/hr (each) lithium ion rechargeable
-

Battery Shelf Life: 5 years

- **Charging:** Current Rate 240 mAh each
- **Operating Temperature:** 0° to +70° C
- **Storage Temperature:** -40° to +85° C
- **Relative Humidity:** Up to 95% without condensation
- **Power Requirements:** Standby: 675mA @ +5V, 350mA @ +3.3V Operate: 1.32A @ +5V, 350mA @ +3.3V (max) not including battery charge
- **Power Consumption:** 3.5A @ +5V (worst case, during a burst while battery is recharging)
  Power Dissipation: 8.2W (worst case)
- **Warranty:** One Year Parts and Service.

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