

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Curtiss-Wright / VMETRO / Micro Memory MM-6394/1024M* 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-6394D

A 64MB VME/VME64 Compatible High-Speed CMOS NVRAM

FEATURES:

Capacity CMOS NVRAM: 16, 32, 64, 128MB Flash Memory: 32, 64, 128, and 256MB
Block Transfer of 256 bytes for VME and 2KB for VME64
Cycle/Access Time CMOS NVRAM: 150/100 nsec Flash memory: 200/150 nsec (read only mode)
Module Selection on 1MB boundaries, switch-selectable
On-board timer provides 1 usec to 16 msec in 1 usec increments for Flash timing requirements
Two on-board redundant, fused lithium or NiCad batteries
Data retention for CMOS 3 years with lithium batteries 4 weeks with rechargeable NiCad batteries
Compatible with VME/VME64 A32/A24/D64/D32/D16/D8 (UAT) (BLT) (MBLT)

DESCRIPTION:

A high-speed, dual-port, single card slot, high-density memory module, the MM-6394D provides up to 1GB for VME/VME64/VSB systems. It is intended for high performance applications employing Block Transfer at data rates of 80 MB/sec. It also supports sequential access (BLT/MBLT) of 256/2KB on the VME/VME64 and 1KB on the VSB bus.

The Control Status Register (CSR) is located in the short I/O address space.

Parity generation and checking are provided for each byte; parity status is stored and transmitted via BERR*.

Reliability is ensured by burn-in and running memory diagnostics that check operation for 48 hours while temperature-cycling boards from 0 to 70°C. Also, reliability is backed up by Micro Memory's Lifetime Warranty.

MM-6394D Specifications

- **Capacity** : 256M, 512M, and 1GB
- **Cycle/Access Time (nsec)** : Block Transfer (BLT/MBLT)-Write: 100/30 Read: 100/30
- **Data Transfer Rate** : VME64: 80 MB/sec, VME/VSB: 40 MB/sec
- **Address** : 32 bits for VMEbus, 32 bits multiplexed with 32 data bits for the VSB bus
- **Data In/Data Out** : 8, 16, 32, 64 bits (UAT) for VMEbus, 32-bit slave for VSB bus
- **Sequential Access** : Block transfer (BLT/MBLT) of 256/2KB, 8KB on the VME/VME64 bus, 8KB on the VSB bus
- **Address Modifiers** : AM0-AM5 decoded by socketed PLD with the following codes:
  A24: 39, 3A, 3D and 3E

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

A32: 09, 0A, 0D and 0E
A24 with MBLT: 38, 3C
A24 with BLT: 3B, 3F
A32 with BLT: 0B, 0F
with MBLT: 08, 0C

- **Parity Checking** : Byte-wide parity generation and checking; parity output stored and transmitted via CSR, Write-Wrong parity for diagnostics
- **Control Status Register (CSR)** : Read/Write, 8 bits wide, jumper-selectable in VME short I/O space (A16) with VMEbus low limit address tracking
- **CSR Format** :
  D0 Enable Parity Out
  D1 Write-Wrong Parity
  D2 Memory CACHEable for VSB
  D6 VMEbus Disable
  D7 Parity Error
  Others: Don't Care
- **Interface** : VME Rev D and VSB Rev C
- **Modes of Operation** : Read, write, read-modify-write, and refresh
- **Memory Selection** : Two independent memory ports, switch-selectable on 1MB (100000H) boundaries for each port by setting the upper and lower limits of each port through the CSR short I/O address
- **Operating Temperature** : 0 to 70°C
- **Storage Temperature** : -40 to +85°C
- **Relative Humidity** : Up to 95% without condensation
- **Power Requirements** : 5V @ 3.75AA

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP