

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 *Elma / Act/Technico PMCStor* at our website: ***Click HERE***

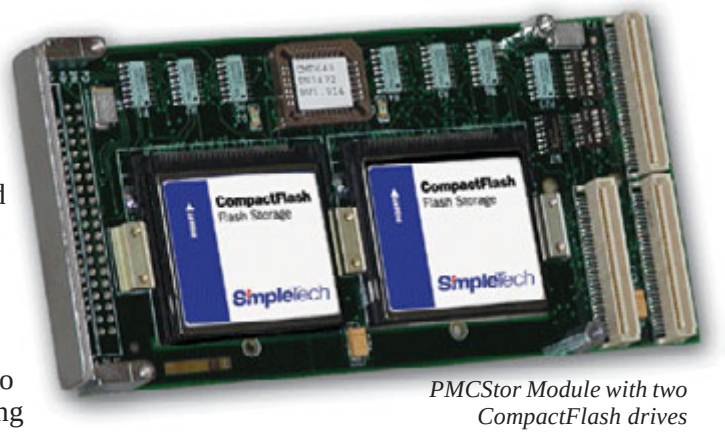
PMCStor

Embedded Mass Storage - up to 32 GB on PMC

Introducing the ***PMCStor*** **- - *zero slot*** mass storage. ACT/Technico's new PMCStor Module provides an ideal embedded storage solution, with up to 32 GB of mass storage. It provides optimum flexibility and use of space without compromising functionality. Microdrive technology hard drives and CompactFlash may now be added to a board using the industry standard PMC form-factor, without compromising any additional slot space and functionality.

PMCStor Features:

- ATA/ATAPI mass storage solution implemented using the industry standard PMC form factor (IEEE P1386.1)
- Designed to support one or two rugged mass storage devices including the Hitachi Microdrive™ and CompactFlash (CF & CF-II). These technologies allow operation at elevated temperatures, and higher shock and vibration levels
- Replaces external hard drives or Disk Modules that require external fixtures or system slots
- Solves the embedded designer's requirement for cost effective mass storage, eliminating cables and the need to use SCSI based storage solutions for applications requiring moderate storage capacities

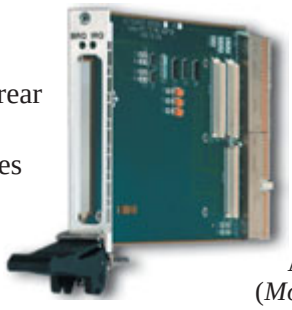


PMCStor Module with two CompactFlash drives

- An alternative to Narrow SCSI based mass storage, where SCSI capacities exceed the needs of most embedded applications
- 40- or 44-pin connector brings standard ATA/IDE DMA interface out the front for external drives
- Supports CompactFlash drives (CF and CF-II) and Microdrives, allowing for enhanced environmental performance of CompactFlash in your application. MTTR is significantly reduced by using sockets that allow easy removal while clamps hold the drives in place during normal operation.

Benefits:

- ❑ Compact, removable storage
- ❑ Standard PCI Mezzanine (PMC) form factor (IEEE P1386.1)
- ❑ Sockets are CF-II form factor
- ❑ Complete solution, with drive(s), interface and software driver provided
- ❑ High quality, optimized multilayer design
- ❑ Option to bring interface out the rear of PMC
- ❑ Up to 16 GB with two CF-II drives (commercial and enhanced duty)



Micro Drives

- ❑ 6 GB and 8 GB capacities
- ❑ 175g (2 msec) operational shock
- ❑ 0º to 55ºC operating temperature range

CompactFlash

- ❑ 256 MB to 16 GB CF-II drives
- ❑ Extended temperature range
- ❑ Shock ratings up to 2,000G
- ❑ 15G peak to peak vibration rating

With bootable device drivers for **Linux, VxWorks, Solaris** and **Windows**, the ***PMCStor*** is an ideal embedded storage solution.

Also available with 3U and 6U CPCI Adapters
(*Model 7000 shown*)

Embedded Systems By Design

1-800-445-6194 • www.acttechnico.com

ACT/Technico • One Ivybrook Blvd., Suite 180 • Ivyland, PA 18974 • Tel: (215) 957-9102 • Fax: (215) 957-9074

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

Specifications

Compatibility

Compliant with PCI Local Bus (v. 2.1), supporting boards that provide PMC sites designed to IEEE P1386.1. The disk controller is ATA/ATAPI-5 compliant. The PMCStor supports universal signaling and operates at 3.3 volts, tolerating 5 volt I/O. The PMCStor may be used on any board supporting standard PMC sites such as CompactPCI and VMEbus CPUs, as well as CompactPCI expansion adapters (Models 7000 and 7005).

Software compatibility: Windows 2000, NT, 98 VxWorks, and Linux. VxWorks drivers are available - other O/S support is available.

Interface

Typically, no other cabling is required to use the PMCStor since the drives are on-board. Versions are available supporting external disk I/O from the front or from the rear of the PMC.

Environmental Specifications (card)

DC Input Voltage: 5V ±5% @ .75A typical with two Microdrives
Operating Temperature: 5°C to 65°C
Storage Temperature: -25°C to 85°C (see disk table)
Operating Humidity: 8% to 90%
Non-operating: 8% to 95%
Shock & Vibration:
Operating see disk table.
Non-operating see disk table.

IDE/ATA Controller Specifications

- 2 independent IDE/ATA Channels, each supporting up to 2 drives
- Supports up to four IDE/ATA drives
- 128 Byte Buffer
- Supports multi-word and single-word DMA timing modes including DMA mode 3 and mode 4 (*DMA not supported by CF sites*)
- Supports external BIOS
- 32-bit 33MHz PCI interface
- Supports bus master DMA at 133 MB/sec PCI burst rate
- Supports maximum bus master data transfer of 66 MB/sec
- Compatible with Microsoft IDE/ATA drivers
- Compliant with PCI 2.1 and ATA/ATAPI - 5
- 3.3V operating voltage with 5V tolerant I/O

PMCStor:

Version	Description / Function
9255	PCI/IDE with no front panel connector, 2 on-board CF-II sockets
9259	PCI/IDE with front panel CF-II socket for removable media (no rear I/O)

PMCStor for external drives:

Version	Description / Function
9256	PCI/IDE with 40-pin front panel connector, 2 CFII sockets, rear I/O
9257	PCI/IDE with 44-pin front panel connector, 2 CFII sockets
9258	PCI/IDE with 44-pin front panel connector, no CFII sockets, no BIOS

ACT TECHNICO www.acttechnico.com

Member of

VITA Open Standards, Open Markets

PCI INDUSTRIAL PICMG COMPUTERS

Disk Parameters/Specifications

	Hitachi Microdrive	CompactFlash II
Capacity:	**6 & 8 GB**	**256 & 512 MB;1, 2, 4, 8 & 16 GB**
Transfer Rates: * (PIO Mode)	up to 11.1 MB/s	up to 3.0 MB/s
Weight (in grams)	16 max	13.5 max
DC Input Voltage	+3.3V±5%; 5V±5%	+3V±5%; 5V±10%
Temperature (in °C)		
Operating:	0 to 55	0 to 60
Non-operating:	-40 to 65	-25 to 85
Humidity		
Operating:	8% to 95%	8% to 90%
Non-operating:	8% to 95%	5% to 95%
Vibration		
Operating:	0.67G (5 to 500 Hz)	15G max
Non-operating:	3.01G (5 to 500 Hz)	15G max
Shock		
Operating:	175G (2 ms)	2,000 G max
Non-operating:	1,500 G (1 ms)	2,000 max

* DMA mode is not supported by the CompactFlash sites.

Order Information

Build an assembly that fits your requirements. Use the following part number to create a PMCStor module of your choice:

925V-*xxx*Y1-*xxx*Y2

V = Version
see below

CompactFlash/ Microdrive
(Positions 1 & 2)
see table

Y
M = MicroDrive
C = CompactFlash

Add CompactFlash or Microdrive™:

CompactFlash is available from 256 MB to 16 GB. Hitachi Microdrives are currently available in 6 GB & 8 GB. Densities keep increasing, so check for the latest media sizes available.

CompactFlash: 256/512MB/1GB/2GB/4GB/8GB/16GB
Specify **ED** *for Enhanced Duty version*

Microdrive: 6GB/8GB



Examples:

9255-4GBC1- 6GBM2 PMCStor with no front panel connector, 4 GB CompactFlash II in slot 1 and 6 GB Microdrive in slot 2

9259-2GBM1 PMCStor with CF-II front panel connector with 2GB Microdrive

9257-8GBC1- 4GBM2 PMCStor with 44-pin connector, 8 GB CompactFlash in slot 1 and 4 GB Microdrive in slot 2

We offer a wide variety of configurations, and mass storage capacities are always changing. Call **800-445-6194** or visit our website for the most recent information.

Printed in USA - PMCStor-PDF-0606

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