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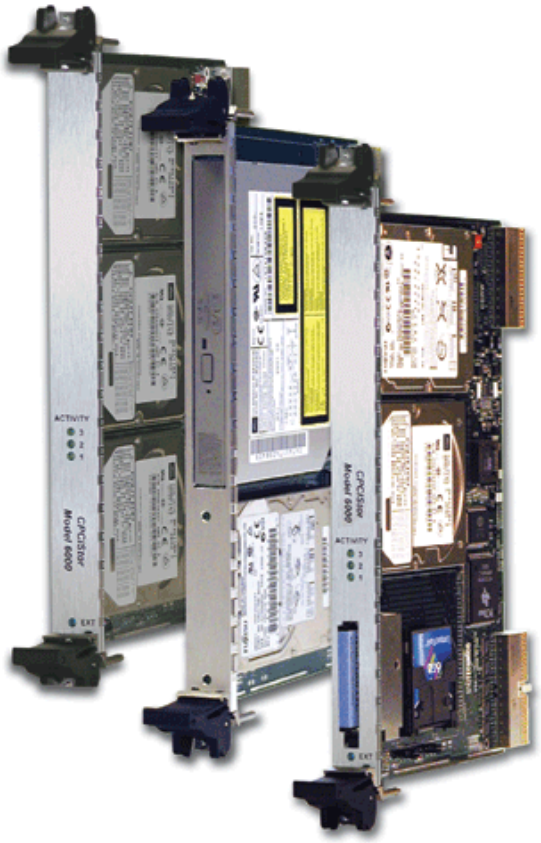
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Find the *Elma / Act/Technico 6000-4-40GB3-ED* at our website: ***Click HERE***

CPCIStor

CompactPCI Disk Module
High Performance Mass Storage Plug-In

These field replaceable modules are designed to support bootstrapping, application load, and data storage in a single 6U CompactPCI slot. They are perfectly suited for communications applications in benign environments as well as applications that require rugged disk drive performance.



- On-board ATA-4 controller supports hot swap and six different combinations of storage devices:
  - DVD+/-RW drive (others available)
  - 2.5" rotating or solid state flash drives
  - Compact Flash
- Supports board level hot swap removal per PICMG 2.1
- 2.5" rotating drive sizes up to 250 GB *(formatted up to 128 GB)*; solid state flash drives up to 128 GB
- 32-bit, 33 MHz CompactPCI interface
- Operating systems supported: Linux, VxWorks, and Windows
- Front panel has activity LEDs and ejector handles for easy removal

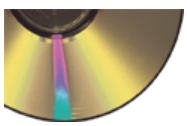
Products for Embedded Systems


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(800) 445-6194 ◆ www.acttechnico.com

Specifications

General

Each module has an on-board ATA-4 controller, supporting hot swap removal and six different combinations of storage devices. See order information for available versions.

Physical

The system disk module is 6U high by 4HP (0.8") wide by 160mm deep, compatible with CompactPCI mechanical and electrical specifications. Weight: <2 pounds.

Input/Output

I/O is routed via the rear through the J5 connector. An I/O interconnect ribbon cable (18") is provided.

Compatibility

These modules are directly compatible with most CompactPCI SBCs. Contact us for details on modules for other platforms.

Electrical Specifications

- ATA-4 compliant disk controller uses Silicon Image PCI646 chipset; PCI 2.1 compliant
- Supports PIO Mode 1 - 4, Ultra 33, UDMA-2

Power Requirements

Worst Case Input Power
Hard Drive: +5V ± 5% @ 1A max
DVD/RW Drive: +5V ± 5% @ 1.2A avg., 1.6A peak

Board Environmental Specifications

- DC Input Voltage: 5V ±5% @ .75A typical
- Operating Temperature: 0°C to 55°C
- Storage Temperature: 0°C to 70°C

Rotating Hard Drive Parameters

Drive capacities change frequently. Please call or visit our website for the most recent information.

	2.5" Commercial	2.5" Ext. Duty / Temp
Capacity GB (5,400 rpm)	80 / 120 / 160 / 250 **	40 / 60 / 80
Average Seek Time	12 ms	12.5 ms
Average Latency	5.50 ms	5.6 ms
Shock (half sine)		
Operating	N/A	250 Gs @ 2 ms
Storage	N/A	900 Gs @ 2 ms
Vibration (5 to 500 Hz, 0 to peak)		
Operating	1.0 G	1.0 G
Storage	2.0 G	5.0 Gs
Temperature (in °C)		
Operating	+ 5 to + 60	-40 to +70
Non-Operating	-40 to +65	-40 to +90
Humidity (RH non-condensing)		
Operating	8 - 90%	5 - 90%
Storage	5 - 95%	5 - 95%

** **Due to controller limitations, formatted capacities above 128 GB are not supported.**

Solid State Flash Drive Parameters

Note: these drives rapidly evolve and improve. Please check with us for the latest performance specifications.

Drive Sizes in GB	8, 16, 24, 32, 64, 128
Media (Read/Write)	Contact us for latest specs
Vibration (min.)	16.3 Gs (20 to 2,000 Hz) on x, y, z axis
Shock (half sine)	1,500 Gs (MIL-STD-810F compliant)
Temperature (in °C)	
Operating	-40 to +85
Non-Operating	-55 to +95
Operating Altitude (max)	80,000 feet

DVD-RW Drive Parameters

We can supply you with the latest available notebook style DVD drives. Please ask for details when ordering.

Rotational Speed	16X in DVD-ROM mode
Data Transfer Rate	16.6 MB/s, 33.3 burst
Vibration (min.)	
Operating	.2 Gs (5 to 500 Hz) (except in record mode)
Non-Operating	2 Gs (5 to 500 Hz)
Operating Shock (half sine)	
Operating	5 Gs (11ms)
CD-DA Play Mode	2 Gs (11 ms)
Temperature (in °C)	
Operating	0 to +55
Non-Operating	-20 to +65

CompactFlash Drive Parameters

Industrial CF is currently available in 2, 4, 8, 16 & 32GB. Please check manufacturers for specifications.

Order Information

Each CPCIStor is shipped fully assembled and tested in six different configurations. Find the version you require and specify drive size(s) using the charts on this page.

6000-1-nGBy(-ZZ): 1 DVD+/-RW drive, 1disk drive)
6000-2-nCF: 1 DVD+/-RW , 1 CompactFlash drive
6000-3-nCF-nCF: 1 DVD+/-RW , 2 CompactFlash drives
6000-4-nGBy-nGBy-nGBy(-ZZ): Up to three 2.5" ATA hard drives
6000-5-nGBy-nGBy(-ZZ)-nCF: Two 2½" ATA drives, 1 CompactFlash drive
6000-6-nGBy-nGBy(-ZZ)-nCF-nCF: Up to two 2½" ATA drives, up to two CF-II (one internal, one front access)

N = capacity for any drive type

y = rotating drive speed (rpm)
2 = 5,400 rpm
4 = Solid State Flash

ZZ = 2½" drive options:
ED = Enhanced Duty
SS = Solid State Comm

If conformal coating is required for salt/spray environments, please add "-C" to the end of the part number.

Part Number Examples:

6000-5-32GB4-80GB2-ED-16CF: One 32GB Solid State Flash drive, one 80GB Enhanced Duty 2½" rotating drive, and one 16GB CF drive.
6000-1-250GB2: One DVD+/-RW drive, one 250GB commercial rotating drive
6000-6-160GB2-160GB2-8CF-16CF: Two 160GB commercial rotating drives, one 8GB CF and one 16GB CF

www.acttechnico.com

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