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Find the *TEAC FD-235HF* at our website: *Click HERE*

Hard/Floppy and Hard/DAT Tape Disk Modules

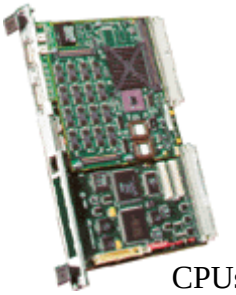
High Performance Mass Storage Plug-In



These field replaceable modules are perfect for systems requiring self-contained mass storage. They are perfectly suited for secure applications.

- **Enhanced Shock specifications** *(see specifications on back)*
- Electrical bypass of BUSGRANT and IACK signals through integrated backplane
- Large selection of low profile hard drives from 1 to 9 GB
- Directly supports Motorola and Force CPUs
- Two or three VME slots *(6U x 8HP or 12HP x 160mm)* required (DAT requires 3 slots)
- Choice of 1 to 4 GB DAT drive or 3.5" 1.44MB SCSI floppy drive or a 120 MB IDE floppy drive

Products for Real-Time Systems


CPUs


Chassis


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Software


Power & Cooling


I/O

(800) 445-6194
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Specifications

General

Two configurations are available: one or two 3.5" fast-narrow SCSI hard drives, or one hard and one floppy drive mounted in the module. The module is equipped with a front panel with 2 activity LEDs, and ejector handles for easy removal. The DIN connectors are selectively loaded to minimize insertion force.

Physical

The system disk module is 6U (1U=1.75") high by 8HP (1HP=0.20") wide by 160mm deep, which is compatible with VMEbus mechanical and electrical specifications Rev. C.1.
Weight: 3 pounds

Performance

Typical Hard Drive Internal Transfer Rate: 32 - 72 Mbits/sec
Typical Floppy Drive Transfer Rate: 2MB = 500 Kbits/sec
Typical SCSI Transfer Rate: 5 MB/sec Async, 10MB/sec sync

Input/Output

SCSI I/O is routed through the A and C rows of the P2 connector or an optional front panel mounted SCSI-2 connector. An I/O interconnect ribbon cable (18") is provided.

Compatibility

These Disk Modules are directly compatible with Motorola® and Force® CPUs. Contact factory for details on adapter modules for other CPUs.

Reliability

Hard Drive:	800,000 hours MTBF typical
DAT & AIT Drives:	200,000 hours MTBF typical
Floppy Drive:	50,000 hours MTBF typical

Power Requirements

Worst Case Input Power

(Floppy/Hard Drive):	+5V ± 5% @ 1.2A max +12V ± 5% @ 2A max
(DAT/ Hard Drive):	+5V ± 5% @ 1.6A max +12V ± 5% @ 2.3A max

Hard Drive Parameters

	2 GB	4 GB	9 GB	18 GB
Capacity (formatted)	2,260	4,550	9,100	18,200
Average Seek (msec)	8.8	7.5	8	7.1
Max. Seek (msec)	17	18	19	18
Avg. Latency (msec)	4.17	2.99	2.99	2.99

Floppy Drive Parameters

	2 MB	120 MB
Capacity (MB)	1 or 2	120, 1.44, .72
Rotation Speed (rpm)	360	720
Average Seek (msec)	94	65
Data Transfer Rate (Kbits/sec)	250/500/1000	300 sustained

4mm DAT & AIT Tape Drive Parameters

	4 GB	8 GB	24 GB	50 GB
Tape Capacity (meters)	90	120	125	170
Tape Speed (inches/second)	.7	.47	.47	.8
Recording Format	DDS, DDS-DC	same + DDS-2	same + DDS-3	AIT-1 of ECMA-246
Transfer Rate - Native/ Compressed (Mbytes/sec)	.55/1.1	.55/1.1	1.1/2.2	3.0/6.0
Buffer Memory (MB)	1	1	2	4
Search/Rewind Speed	200	200	200	60/120

Environmental

Temperature
Operating: +5°C to +45°C
Non-Operating: -25°C to +60°C

Humidity
Operating: 20% to 80% RH Wet bulb 26°C
Storage: 10% to 90% RH Wet bulb 45°C

Shock
Operating: 3 G peak acceleration 10 msec
Non-Operating: 50 G peak acceleration 10 msec

Vibration
Operating: 0.5 G peak accel.(5 Hz to 100 Hz)
0.25 G peak accel.(100 Hz to 500 Hz)
Non-Operating: 2 G peak accel.(5 Hz to 50Hz)

Altitude
Operating: -200ft to 10,000 feet
Non-Operating: -200ft to 50,000 feet

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

www.acttechnico.com

Order Information

Each Disk Module is shipped fully assembled and tested. It may contain one or two drives. Use the following part numbers to design your Hard/Floppy or Hard/DAT Tape Disk Module:

Hard/Floppy Disk Module:

TDM2-2F1-xGH2-SC-O

Hard Drive
Specify 1, 2, 4 or 9 GB

Options
2 = Front Panel for SCSI I/O
A = AV-ready Hard Disk

Disk Module with 1 or 2 Hard Drives:

TDM2-xGH1-xGH2-S-O

Specify Hard Drive choice and options using above choices.

Hard/DAT Tape Disk Module:

TDM3-xGDT1-xGH2-S

DAT or AIT Tape Drive
Specify 4, 8, 24 or 50 GB

Hard Drive
Specify 1, 2, 4 or 9 GB

One Ivybrook Blvd., Suite 180
Ivyland, PA 18974
TEL: (800) 445-6194
(215) 957-9071
FAX: (215) 957-9074
E-MAIL: sales@acttechnico.com

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