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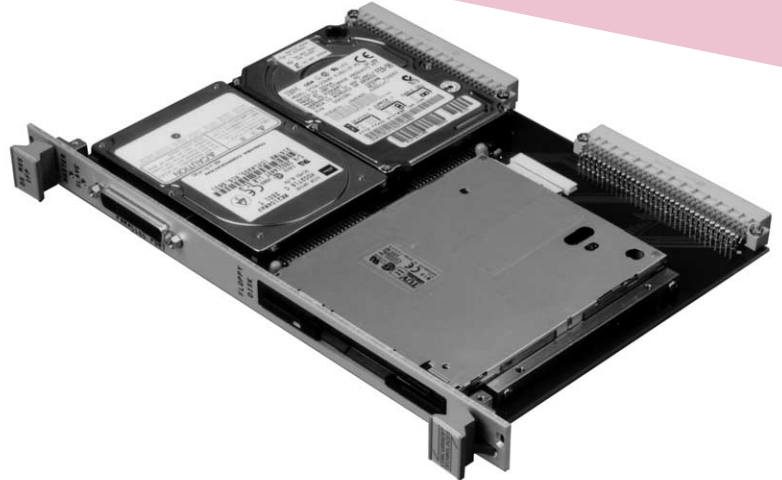
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Mass Storage Module



APPLICATIONS

The DS MSS/IFP Mass Storage Module is a single slot VME board supporting a variety of EIDE peripheral devices and a 3½ floppy disk drive. Up to 3 devices can be installed on the board. In addition a parallel port is accessible via the front panel to enable connection to other peripherals such as a CD-ROM, ZIP® Drive or printer.

The port configuration depends on the VME processor board to which the DS MSS/IFP is connected. A CD-ROM drive can also be added to the board using an optional second slot module. The DS MSS/IFP is designed to interface with Concurrent Technologies' VME bus compatible Intel® processor boards, which feature an EIDE interface.

HIGHLIGHTS

- Supports up to two 2.5 inch EIDE hard drives
- 3.5 inch floppy disk drive
- Standard parallel printer interface
- Support for 1.8 and 2.5 inch solid state Flash drives
- Support for optional CD-ROM Module
- Compatible with Concurrent Technologies' VME Intel processor boards
- Single slot solution (without CD-ROM module)
- Supported operating systems depend on the VME processor used

Mass Storage

- supports up to two drives:-
 - 2.5 inch EIDE Hard Disk Drive; and/or
 - 1.8 inch or 2.5 inch Solid State Flash Drive; or
 - additional 2.5 inch EIDE Hard Disk Drive; or
 - slimline EIDE CD-ROM
- ATA3 compatible interface

Parallel Printer Port

- accessed via front panel
- standard 25-way "D"-type

Floppy Disk

- integrated 3.5 inch floppy disk drive
- accessed via front panel

Compatible VME Boards

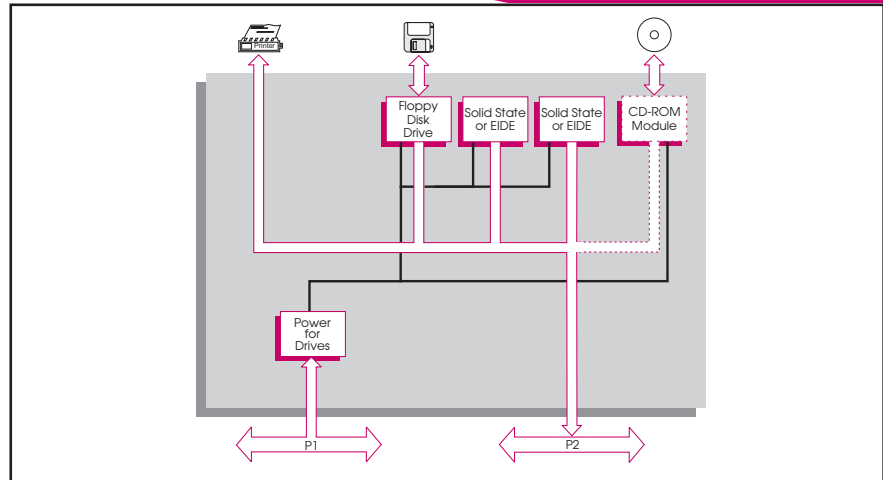
- Designed to interface to:-
 - VP 307/01x
 - VP 305/01x
 - VP 110/01x
 - VP 101/01x
 - VP 100/01x
 - VP CP1/P3x
 - VP PSE/P3x
 - VP PSE/C1x
 - VP PMC/P3x
 - VP PMC/C1x

Software Support

- depends on the VME processor board

Mechanical Specification

- 6U form-factor
- single VME slot (without CD-ROM drive); two slots with CD-ROM drive
- utilizes a 96-way DIN connector on P2 for system interfaces:-
 - utilizes a 96-way DIN connector on P1 for board's electrical power
- typical shock:-
 - HDD:
 - 15g, 11ms, ½ sine (operating);
 - 120g, 11ms, ½ sine (non-operating)
 - CD/DVD:
 - 5g vertical, 7g horizontal, 11ms, ½ sine (operating, no CD-ROM access);
 - 60g, 11ms, ½ sine (non-operating)
 - FDD:
 - 5g, 11ms, ½ sine (operating);
 - 80g, 11ms, ½ sine (non-operating)
- typical vibration:-
 - HDD:
 - 5Hz-500Hz at 0.67g random, 1g swept sine (operating);
 - 5Hz-500Hz at 3g random, 5g swept sine (non-operating)
 - CD/DVD:
 - 5Hz-500Hz at 0.2g from 0-peak (operating);
 - 5Hz-500Hz at 2g from 0-peak (non-operating)
 - FDD:
 - 10Hz-200Hz at 1g (operating);
 - 10Hz-100Hz at 2g (non-operating)

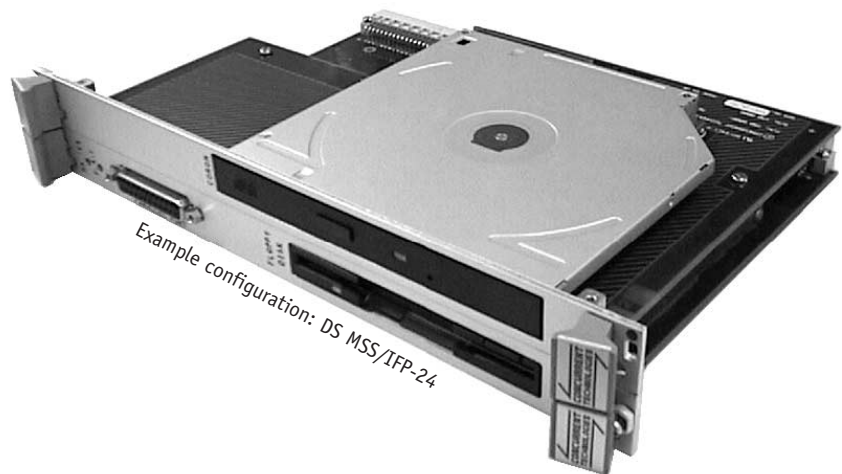


Electrical Specification

- single 5V(±5%) supply requirement
- less than 2.0A when fully populated (including CD-ROM)
- power provided from P1 connector
- connection is by way of ribbon cable between P2 connectors (included with the DS MSS/IFP)

Environmental Specification

- 5°C to +55°C (operating)
- 10% to 80% Relative Humidity (operating)
- -25°C to +65°C (storage)
- 10% to 90% Relative Humidity (storage)
- temperature change rate <20°C/ hour



ORDERING INFORMATION

Order Number Product Description (Hardware)

DS MSS/IFP-14	One Floppy Drive and one EIDE Hard Disk Drive
DS MSS/IFP-24	One Floppy Drive, one EIDE Hard Disk Drive and one CD-ROM
DS MSS/ICH-xy	Fitted with VME64x handles

For details of options/combinations available please contact your local sales office



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