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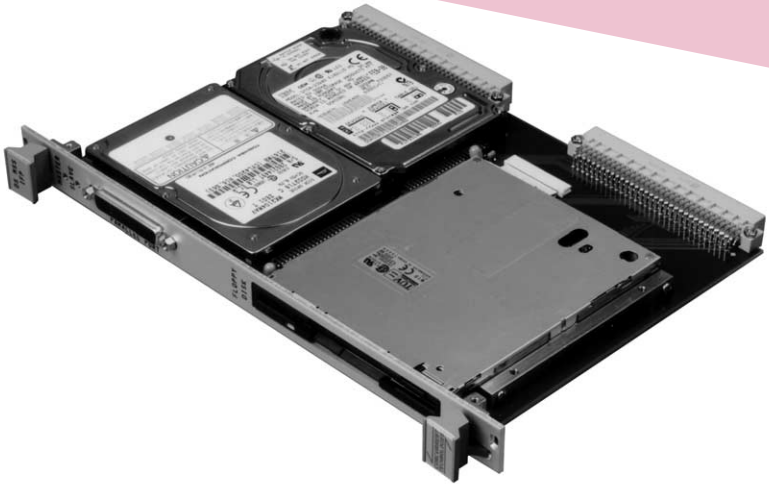
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Find the *Concurrent Technologies DS MSS/IFP* at our website: *Click HERE*

VME

# DS MSS/IFP

## 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

CONCURRENT TECHNOLOGIES

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## 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

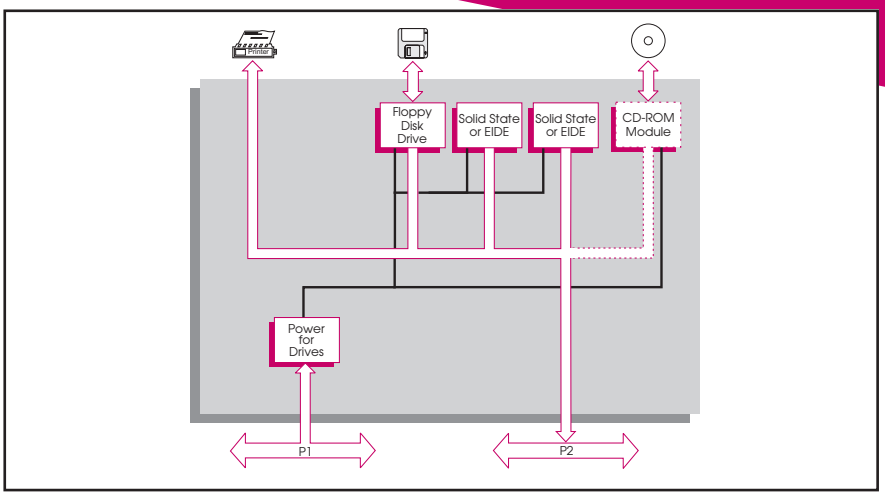
## Parallel Printer Port
- accessed via front panel
- standard 25-way "D"-type

## 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

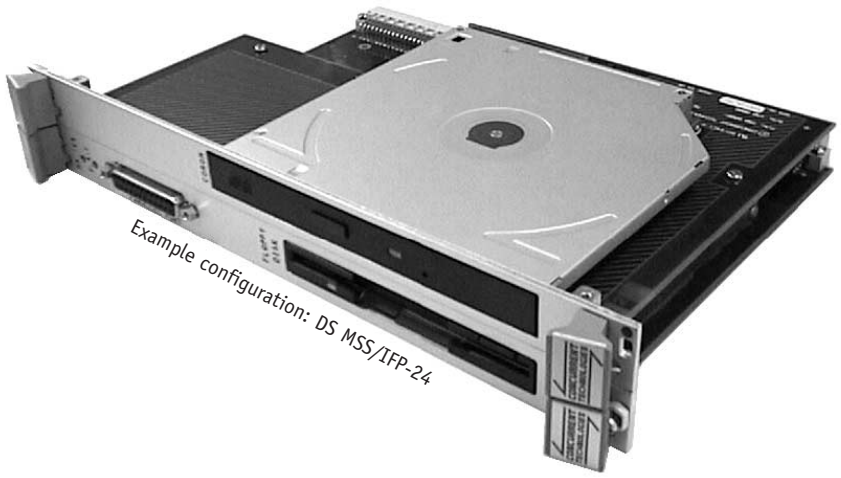
## Software Support
- depends on the VME processor board

## 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


Example configuration: DS MSS/IFP-24

## 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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