Force Flexor Model 5 Platform

DATASHEET

5 Slot Enclosure and Backplane for PICMG PCI/ISA Systems

Force Flexor Model 5/L

Force Flexor Model 5/T

- **Industrial Control**
- **Telecommunications**
- **Medical Imaging**
- **Simulation**
- **Print and Pre-press**

Features

- Vertical or horizontal mounting
- 5 slot PICMG PCI/ISA backplane
- Low profile and tall profile
- Operator control panel
- AC and DC power supplies
- Vertical or horizontal desktop mounting kits
- Rack mounting kits

Highlights

The Force Flexor™ Model 5 Platform is a high-quality solution for industrial and embedded computing requirements, particularly where space is at a premium.

By conforming to the PICMG PCI/ISA passive backplane standard, the Flexor Model 5 platform offers the advantage of solutions with flexibility, reliability and longevity that standard PCs cannot match.

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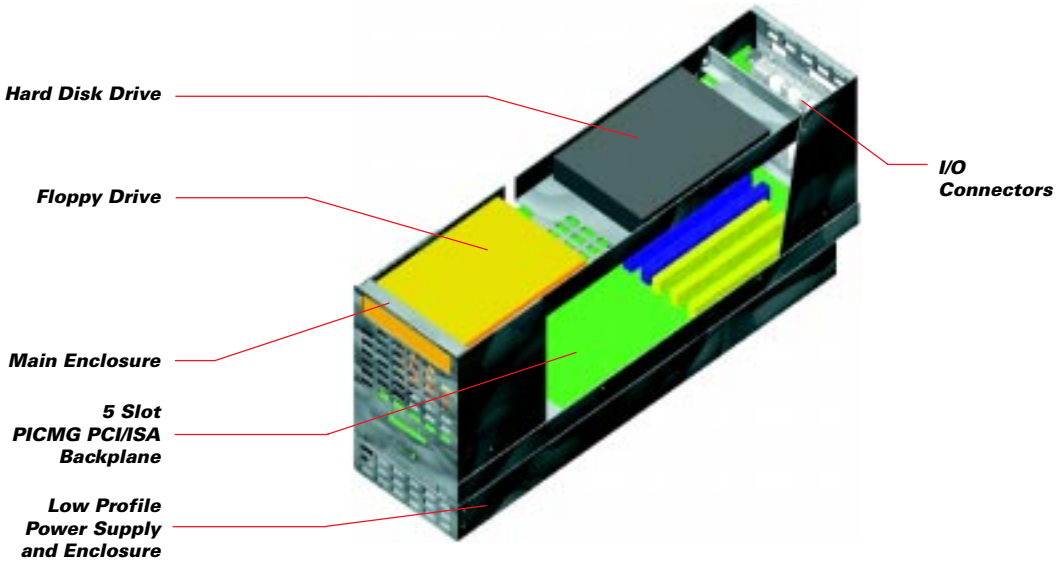
Force Flexor Model 5 Platform



Flexor Model 5/L 5 Slot low profile platform
(Note: Front panel and OCP not shown)

The Force Flexor Model 5 platform is ideal for embedded applications with requirements for minimum space usage while retaining the flexibility to accommodate standard PCI and/or ISA option cards.

It offers four basic options:

Low profile in vertical or horizontal mounting. Ideal where space is extremely limited and where CDrom or multiple hard disk drives are not required. Uniquely, two of these platforms can be mounted side by side in a 3U rack mount shelf, giving very high processing density when used with high performance Alpha or Intel processor cards.

Tall profile in vertical or horizontal mounting. Provides more space for disk drive or CD-ROM options while still being very economical in space utilization.

Both profiles have desk top skins available for horizontal or vertical mounting and also have rack mount kits.

By conforming to industry standards, the Flexor Model 5 slot PICMG PCI/ISA platform provides the highest levels of flexibility and longevity possible:

- PICMG PCI/ISA 1.0 R2.0
- PCI V2.1
- ISA

Operator control panel controls and indicators

- Halt/Reset button
- Power indicator LEDs for:
  - +3.3V
  - +5V
  - -5V
  - +12V
  - -12V
- Fan failure indicator
- Over temperature indicator
- Hard disk unit activity indicator
- Status display - provides text messages dependant on support by SBC and operating system / application
- Speaker

Regulatory compliance

- CE Class B
- EN55022 Class B
- EN50082-1 Class 1
- IEC 1000-2,3,4,6 office environment levels
- EN60950

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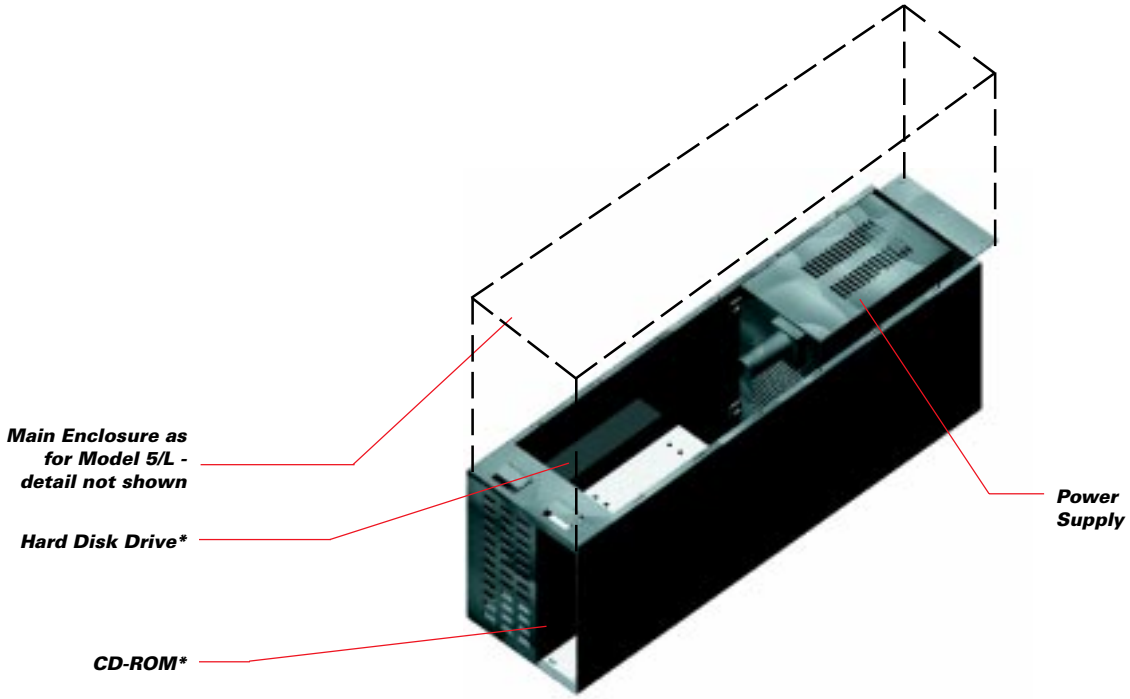

Flexor Model 5/T tall profile platform.
*(Note: Items marked * are optional and are not included in platform package)*

Disk drive mounting

	Flexor Model 5/L Low profile platform	Flexor Model 5/T Tall profile platform
Main enclosure	2 1/3 height 3.5-inch drives (floppy and disk or two disks)	2 1/3 height 3.5-inch drives (floppy and disk or two disks)
PSU enclosure	N/A	1 1/2 height 5.25-inch drive and 1 1/2 height 3.5-inch drive *or* 2 1/2 height 3.5-inch drives

Environmental

Temperature	Operating Non-operating	5° to 50°C -40°C to +65°C
Humidity	Operating Non-operating	5% to 95% non-condensing 5% to 95% non-condensing
Shock	Operating	10G, 3 axis
Vibration	Operating	5-16Hz: 0.020" displacement 16-200Hz: 0.25G 200-500Hz: 0.1G peak
	Non-operating	1.5G, 3 axis
Altitude	Operating Non-operating	3657m 15240m

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SPECIFICATIONS

Power output

Voltage	Low Profile AC PSU Max Current	Low Profile DC PSU Max Current	Tall Profile AC PSU Max Current
+3.3V	15A	15A	20A
+5.0V	20A	20A	20A
+12V	4.5A	4.5A	10A
-12V	0.5A	0.5A	0.5A
-5.0V	0.3A	0.3A	0.2A
-5.0V Aux	50mA	50mA	0A
Max Power	180W	180W	210W

Physical dimensions

	Low Profile	Tall Profile
Weight (kg)	6.5	7.0
Height* (cm)	11.81	11.81
Width* (cm)	21.07	33.00
Depth (cm)	45.72	45.72

**Dimensions given are for horizontal mounting. For vertical mounting transpose height and width dimensions.*

Ordering information

Part Number	Description
Horizontal platforms	
ETM05-FD	Flexor Model 5/L low profile platform, 110/240V AC
ETM05-GD	Flexor Model 5/L low profile platform , 48V DC
ETM05-AD	Flexor Model 5/T tall profile platform, 110/240V AC
Vertical platforms	
ETM05-FT	Flexor Model 5/L low profile platform, 110/240V AC
ETM05-GT	Flexor Model 5/L low profile platform , 48V DC
ETM05-AT	Flexor Model 5/T tall profile platform, 110/240V AC
Optional kits	
ETMXK-ER	19" Rack shelf, 3U height
ETMXK-HD	Horizontal desktop kit for tall profile 5 slot platform
ETMXK-VT	Vertical mini-tower kit for low-profile 5 slot platform
ETMXK-EL	'L' shaped bracket kit

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Force Computers is the leading designer and worldwide supplier of standard and custom systems, board-level computer platforms and services for the embedded market.

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