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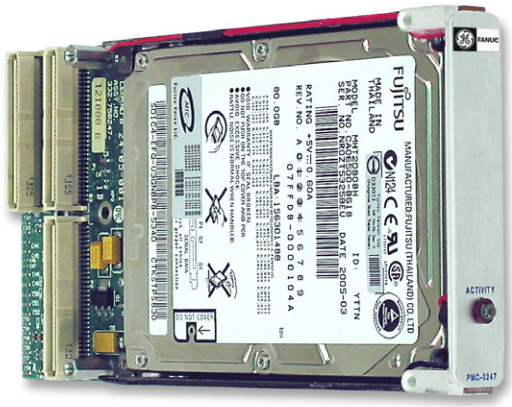
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Find the *Abaco Systems PMC-0247RC-001200L00* at our website: *Click HERE*

GE Fanuc
Intelligent Platforms



PMC-0247RC

PMC Serial ATA Hard Disk Drive Module

Features

- Offers Enterprise Class storage for Embedded Computing
- 5-year HDD Product Lifecycle available for specified rotating media
- Standard and continuous operation drives (24x7, 8760 hours/year)
- Extended shock and vibration option for maximum robustness
- Extreme altitude operation possible up to 16,400 feet available
- Support for SATA II 300 MByte/s interfaces
- Support for a programmable external flash for BIOS expansion
- Supports 32/64-bit, 133 MHz maximum PCI-X interface
- Rotating Media with 80 GByte, 120 GByte and 160 GByte capacities (see ordering options)
- Solid state drives with 16, 32 and 64 GByte capacities (contact factory)
- Compliant with VITA 39 Specification
- Operating system support for Windows® 2000, Windows XP, Red Hat Linux® Enterprise 4.0, and VxWorks® versions 5.4/5.5
- RoHS compliant

The PMC-0247RC is a Serial ATA hard disk drive module in PMC form factor, designed for use with single board computers with a PMC site and carrier boards from GE Fanuc Intelligent Platforms and other third party manufacturers. Universal signaling support allows installing the modules in any available 3.3 V or 5.0 V PMC site. The PMC-0247RC uses a 2.5 inch hard disk drive and has a maximum capacity of 160 GBytes.

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PMC-0247RC PMC Serial ATA Hard Disk Drive Module

Specifications

Form Factor
- PMC

Power Requirements
- Supplied through the PMC site connectors on the host
- Power requirements are drive-dependent

Environmental
Operating Temperature
- SATA standard operation: +5 to +55 C
- SATA continuous operation: +5 to +40 C
- SATA Solid State: 0 to +70 C

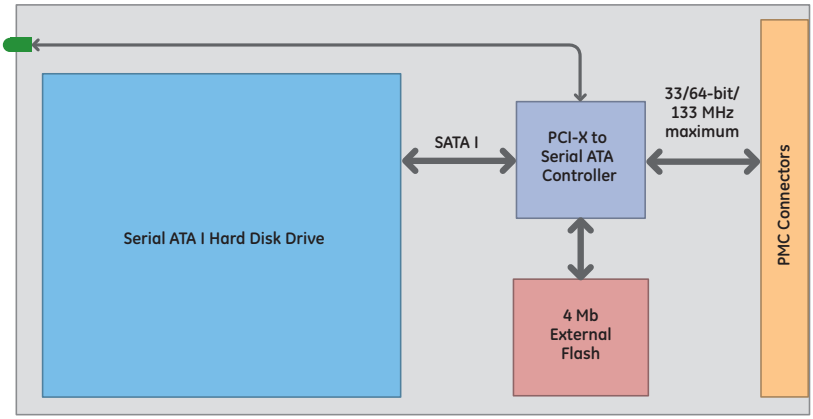
Storage Temperature
-40 to +85 C

Relative Humidity
5% to 95%, noncondensing

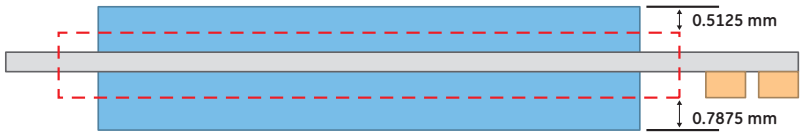
MTBF
- 452,149 hours standard operation
- 282,149 hours continuous operation

Regulatory
The PMC-0247RC has been tested to and found to meet the requirements of the following standards.
- European Union (CE Mark)
  - EN55024
  - EN55022 Radiated Emissions Class A
  - EN61000-4-2 (ESD)
  - EN61000-4-3 (Radiated Immunity)
  - EN61000-4-8 (Power Frequency Magnetic Fields)
- United States
  - FCC Part 15, Class A
- Canada
  - ICES-003, Class A
- RoHS 6/6: European Community Directive 2002/95/EC

Block Diagram



Side View



NOTE: The PMC-0247RC violates the PMC specification for top and bottom maximum component height by 0.5125 mm and 0.7875 mm respectively.

Ordering Information

PMC-0247RC - ABCDEF

A = SATA Interface
2 = SATA II (3.0 Gb/s)

B = Hard Disk Drive Capacity
2 = 80 GB HDD
3 = 160 GB HDD (5400 RPM)
4 = Reserved
5 = 120 GB HDD (5400 RPM)
6 = 120 GB HDD (7200 RPM)
7 = 160 GB HDD (7200 RPM)

C = Operating Mode
1 = Standard mode
2 = Extended duty

D = Solid State Drive
0 = No SSD
1 = 16 GB SSD
2 = 32 GB SSD
3 = 64 GB SSD

E, F = 0 (Options reserved for future use)

About GE Fanuc Intelligent Platforms

GE Fanuc Intelligent Platforms, a joint venture between General Electric Company (NYSE: GE) and FANUC LTD of Japan, is an experienced high-performance technology company and a global provider of hard-ware, software, services, and expertise in automation and embedded computing. We offer a unique foundation of agile, advanced and ultra-reliable technology that provides customers a sustainable advantage in the industries they serve, including energy, water, consumer packaged goods, government & defense, and telecommunications. GE Fanuc Intelligent Platforms is a worldwide company headquartered in Charlottesville, VA and is part of GE Enterprise Solutions. For more information, visit www.gefanuc.com.

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Additional Resources

For more information, please visit the GE Fanuc Intelligent Platforms web site at:

www.gefanuc.com

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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