



Telum™ 200 SATA

AMC.3 Serial ATA Hard Disk Drive AdvancedMC™

Features

- Serial ATA (SATA) hard disk drive with up to 200 Gbyte capacity
- Support for SATA I (1.5 Gb/s), SATA II (3.0 Gb/s)
- IPMI v2.0 compliant Module Management Controller (MMC)
- Supports either Common Options Port 2 or Port 3 via switch setting or IPMI controller
- Three modes of operation available:
 - Standard SATA
 - Continuous SATA
 - Solid state SATA
- Available with compact, mid-size or full-size faceplates
- Successfully tested on Solaris 10, Linux®, and Windows® 2000 and Windows XP platforms

Compliance

- AMC.0 R2.0 compliant
- AMC.3
- µTCA.0 compliant
- IPMI v2.0 compliant MMC
- RoHS 2002/95/EC compliant

The Telum 200 SATA AdvancedMC is a hard disk drive storage module designed for use with AdvancedTCA single board computers, carriers and MicroTCA platforms. Supporting SATA I and SATA II interfaces, the Telum 200 is available with a choice of drive types including SATA standard and continuous rotating drives and solid state drives with capacities up to 200 Gbytes.

The 2.5-inch hard drive is driven by the host board's SATA controller, communicating with the Telum 200 using Common Options region ports 2 and 3.

For maximum system design flexibility, the Telum 200 is available with compact, mid-size or full-size faceplates.

Intelligent Platform Management Interface (IPMI) & Hot Swap Compliance

An AMC.0 Module Management Controller (MMC) subsystem that is IPMI v2.0 compliant initializes board level parameters, monitors board voltage and temperature conditions, maintains system status, and manages hot swap operation. A microcontroller is used as the IPMI intelligence and connects to the AMC management bus. These modules are hot swap capable and field replaceable in accordance with AMC.0.

Telum 200-SATA AdvancedMC™ Serial ATA Hard Disk Drive Module

Specifications

Form Factor

- AMC.0 R2.0 single-width
- Available with compact, full- or mid-size faceplates

Front Panel I/O

- LEDs for drive activity, hot swap, port selection and failure

Power Requirements

- Power for the Telum 200 is supplied through the AdvancedMC site connector on the host
- 12 VDC, 1.3A typical, 1.5A maximum

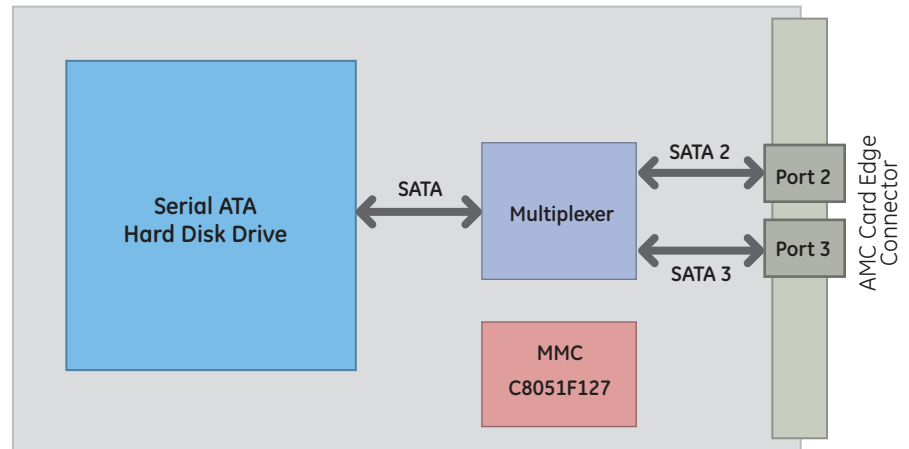
Environmental

- Operating Temperature
 - SATA standard operation: +5° to +55 °C
 - SATA continuous operation: +5° to +40 °C
 - SATA Solid State: 0° to +70 °C
- Storage
 - 40° to +85 °C
- Relative Humidity
 - 5% to 95%, noncondensing

Regulatory Compliance:

- CE Mark
 - EN61000-3-2 (Harmonic Current Emissions)
 - EN61000-3-3 (Voltage Fluctuations and Flicker)
 - EN61000-4-2 (ESD)
 - EN61000-4-3 (Radiated Immunity)
 - EN61000-4-4 (EFT)
 - EN61000-4-6 (Conducted FR)
 - EN61000-4-11 (Voltage Dips and Interruption)
- Safety
 - UL508 where applicable
- RoHS 2002/95/EC

Block Diagram



Ordering Information

	A	B	C	D	E	F
Telum 200	-		0	0	0	

Telum 200 SATA AdvancedMC with options:

AB = Drive Type
00 = No drive (Not a customer option: "Reserved")
01 = Reserved
02 = SATA solid state 16 Gbyte
03 = Reserved
04 = SATA solid state 64 Gbyte
11 = Reserved
12 = SATA standard duty 80 Gbyte
13 = SATA standard duty 120 Gbyte
14 = Reserved
15 = SATA standard duty 200 Gbyte
21 = SATA extended duty 80 Gbyte
22 = Reserved
23 = SATA extended duty 160 Gbyte

41 = Reserved
42 = Reserved
43 = Reserved
C-E Reserved
F = Front Panel
0 = Full-size front panel
1 = Mid-size front panel
2 = Compact-size front panel

About GE Fanuc Intelligent Platforms

GE Fanuc Intelligent Platforms is a leading global provider of embedded computing solutions for a wide range of industries and applications. Our comprehensive product offering includes many types of I/O, single board computers, high performance signal processors, fully integrated, rugged systems including flat panel displays, plus high speed networking and communications products. The company is headquartered in the U.S. and has design, manufacturing and support offices throughout the world. Whether you're looking for one of our standard products or a fully custom solution, GE Fanuc Intelligent Platforms has the breadth, experience and 24/7 support to deliver what you need. 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

