



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com



Embedded Systems

VMIVME-5740

6U VMEbus SCSI Hard Disk Drive Module

- Supports up to two SCSI SCA-2 hard disk drives
- Supports Ultra320 connectivity
- Hard disk capacity up to 147 Gbyte
- One SCSI HD68 connector on the front panel
- Onboard SCSI bus active termination
- SCSI ID Select

Functional Characteristics

Introduction: The VMIVME-5740 hard drive module allows two SCSI hard disk drives to be added to any VMEbus embedded system with a SCSI interface. Ultra320 SCSI drive connectivity is provided through two SCA-2 80-pin internal connectors. SCSI IDs are set by onboard switches.

Product Overview: The VMIVME-5740 Ultra320 SCSI hard disk drive module is specifically designed for storage on workstations, server systems and computer clustering applications without need for additional sub-chassis. Due to its high network bandwidth, it is well suited for telecom, signal processing and distributed computing applications. Ultra320 SCSI supports synchronous transfer rates up to 320 Mbyte/s on a Low Voltage Differential (LVD) SCSI bus.

NOTE: The VMIVME-5740 must be connected at the end of the SCSI chain.

Technical Specifications

SCSI Transfer Rate: Up to 320 Mbyte/s

Physical/Environmental Specifications

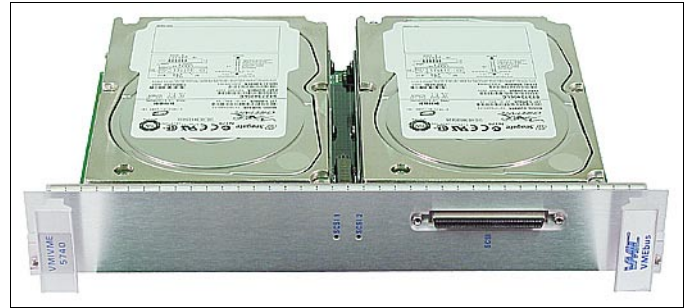
Temperature: Operating: 0 to +50 °C

Storage: -25 to +80 °C

Airflow: Forced air cooling required, 350 LFM minimum measured at the top outlet of the chassis

Relative Humidity: Operating: 5% to 95%, noncondensing

Storage: 5% to 95%, noncondensing



Power Requirements:

+5 VDC (±5 percent), 8 A typical (drive dependent)

+12 VDC (±5 percent), 0 A (voltage not used)

-12 VDC (±5 percent), 0 A (voltage not used)

Network Connections: SCSI, maximum distance - 12 m (LVD mode)

Ordering Options						
July 19, 2004 800-005740-000 A	A	B	C	D	E	F
VMIVME-5740	—		0	0	0	
A = Disk Options						
0 = No Disk Drive						
1 = Reserved						
2 = 18 Gbyte Drive(s)						
3 = 37 Gbyte Drive(s)						
4 = 73 Gbyte Drive(s)						
5 = 147 Gbyte Drive(s)						
B = Quantity of Disk Drives						
0 = No Disk Drive						
1 = One Disk Drive						
2 = Two Disk Drives (of equal size)						
C through E = 0 (Options reserved for future use.)						
F = Special Sales Order						
0 = VME standard front panel						
1 = IEEE 1101.10 front panel						
Ultra320 SCSI Connector Data						
VHDCI-to-HD68 cable 0.8 m (PN 360-000066-001)						
Notes						
All VME single board computer products come standard with a VME specification compliant front panel.						
GE Fanuc Embedded Systems reserves the right to substitute hard drive sizes where applicable. Any option not shown is reserved by GE Fanuc Embedded Systems for future use.						
For Ordering Information, Call: 1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859 Email: info.embeddedsystems@gefanuc.com Web Address: www.gefanuc.com/embedded Copyright © 2004 by GE Fanuc Embedded Systems Specifications subject to change without notice.						

MTBF: TBD

Regulatory: CE Mark

The VMIVME-5740 has been designed to meet the following CE Standards where applicable:

EN55022/55024-1

EN55022 Radiated Emissions Class A

EN55022 Conducted Emissions Class A

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)

EN61000-4-5 (Surge)

EN61000-4-6 (Conducted RF)

EN61000-4-8 (Power Frequency Magnetic Fields)

EN61000-4-11 (Voltage Dips and Interruption)

Trademarks

All registered trademarks are the property of their respective owners.

Ultra320 SCSI:

Table 1 is a matrix comparing Ultra320 SCSI against the other connectivity technologies.

Table 1. Comparative Matrix

	Maximum Transfer Speed	Maximum Cable Length	Maximum Number of Devices	Application Performance
IDE/UDMA 33	33 Mbyte/s	18 inches	2	Low
IDE/UDMA 66	66 Mbyte/s	18 inches	2	Low/Medium
Wide Ultra SCSI	40 Mbyte/s	1.5 meters	16	Low/Medium
Wide Ultra2 SCSI	80 Mbyte/s	12 meters	16	High
Fibre Channel	200 Mbyte/s	10 kilometers	126	High
Ultra160 SCSI	160 Mbyte/s	12 meters	16	High
Ultra320 SCSI	320 Mbyte/s	12 meters	16	High

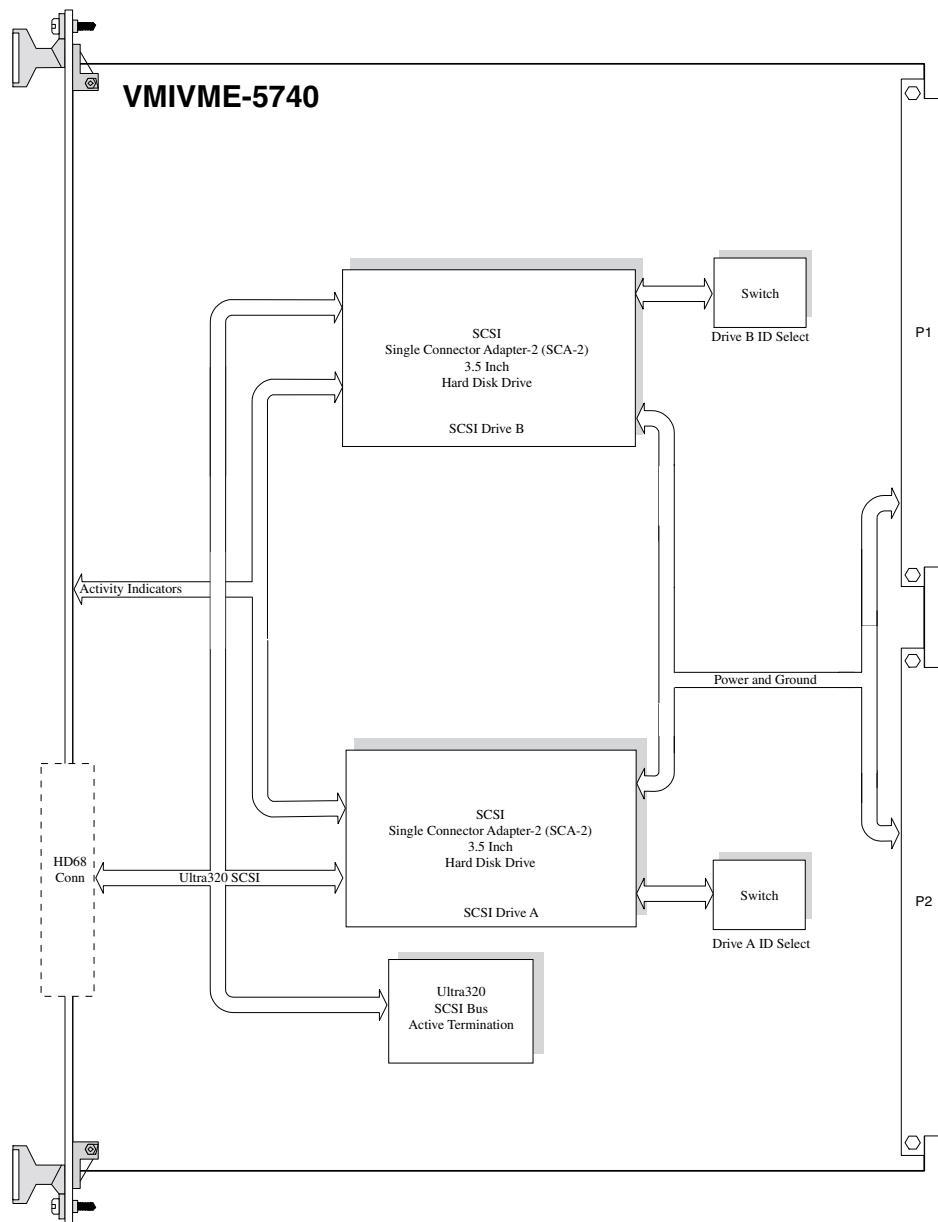


Figure 1. VMIVME-5740 Functional Block Diagram



GE Fanuc Embedded Systems Information Centers

USA and the Americas:

Huntsville, AL 1 800 322-3616
 1 (256) 880-0444
 Ventura, CA 1 (805) 650-2111
 Greenville, SC 1 (864) 627-8800

Europe, Middle East and Africa:

Edinburgh, UK 44 (131) 561-3520
 Paris, France 33 (1) 4324 6007

Additional Resources

For more information, please visit the
 GE Fanuc Embedded Systems web site at:
www.gefanuc.com/embedded



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com