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Find the *National Instruments NI 8350* at our website: ***Click HERE***

3.0 GHz Pentium 4 Rack-Mount VXI Controller

NI VXI-8350 1U Rack-Mount Controller

NEW

- 3.0 GHz Pentium 4 processor with hyperthreading technology
- 512 MB DDR400 RAM standard, 4 GB maximum
- Complete MXI-2 remote control kit included
- High-performance server architecture
- Dual onboard Gigabit Ethernet
- Optimized for installation in 1U of 19 in. rack
- Universal AC power supply

Compatible Operating Systems

- Windows XP

Recommended NI Software

- LabVIEW
- LabWindows/CVI
- Measurement Studio
- TestStand

Other Compatible Software

- Microsoft Visual Studio
- C/C++



Overview

The National Instruments VXI-8350 is a 1U rack-mounted VXI controller, comprised of a 19 in. rack-optimized server-class computer bundled with a complete MXI-2 VXI remote control kit. The bundle provides integrated, ready-to-run, server-class performance for VXI systems.

Processor	3.0 GHz Pentium 4 with hyperthreading
Front-side bus	800 MHz
L2 cache	1 MB
RAM type	Dual-channel DDR400, 4 DIMM slots
RAM, standard	512 MB (2 x 256 MB DIMMs)
RAM, maximum	4 GB (4 x 1 GB DIMMs)
Hard disk drive	80 GB Serial-ATA, minimum
Ethernet	2 x Gigabit Ethernet
USB ports	4 x USB 2.0
Parallel ports	1
Serial ports	1 RS232
CD-ROM	24x speed
Video	VGA port, ATI Rage XL, 8 MB RAM
PCI slots	1 PCI-X (populated with PCI MXI-2)
Rack-mount rails	Yes
Operating system	Windows XP

Table 1. VXI-8350 Features

NI VXI-8350 Kit Components

- VXI-8350 3.0 GHz Pentium 4 1U rack-mount controller
- All peripherals in Table 1 installed
- Complete MXI-2 kit (PCI card already installed)[1]
- 19 in. rack-mount rails

Applications and Acoustic Noise

The VXI-8350 is designed to maximize performance in automated and manufacturing test applications. This controller is not recommended for office or other benchtop applications where acoustic noise is a concern. The VXI-8350 is optimized purely for performance and, like other server-class machines, uses high-speed cooling fans, which are relatively noisy.

RAM Options

The VXI-8350 has four slots for high-bandwidth dual-channel DDR400 RAM. RAM must be installed in matched pairs.

- 512 MB standard (2 x 256, 2 slots empty)
- 2.5 GB upgrade (2 x 256, 2 x 1 GB)
- 4 GB upgrade (4 x 1 GB)

[1]For other configuration options, including MXI-2 cable length and localized operating systems, visit ***ni.com/vxi***.

Ordering Information

Step 1. Select controller
VXI-8350 with Windows XP 779074-01

Step 2. Select optional RAM upgrade packages
2.5 GB RAM upgrade.....779076-2048
4 GB RAM upgrade 779076-4096

Step 3. Select one or more power cords
United Kingdom 240 VAC 763064-01
Swiss 220 VAC 763065-01
Australian 240 VAC 763066-01
Universal Euro 240 VAC.....763067-01
North American 240 VAC 763068-01

Step 4. Select additional accessories
GPIB-USB-B GPIB Interface 778416-01

BUY ONLINE!
*Visit **ni.com/info** and enter vxi8350.*

NATIONAL INSTRUMENTS™

3.0 GHz Pentium 4 Rack-Mount VXI Controller

Specifications

Electrical

AC Input

Input voltage range	100–240 VAC
Operating voltage range	90–264 VAC
Input frequency	50/60 Hz
Operating frequency range	47–63 Hz
Input current rating	6–3 A
Power disconnect	The AC power cable provides main power disconnect. Depressing the front panel power switch enables or inhibits the internal power supply.

Mainboard

Socket	mPGA478B
Chipset	Intel E7210 chipset, supports 800 MHz FSB, 4 GB dual-channel DDR333/400 memory
Memory slots	Four 184-pin DIMM slots, two per channel (supports ECC or non-ECC memory)
PCI	One PCI-X slot using riser card
SATA	Two SATA ports compliant with the Serial-ATA 1.0 specification. Maximum data rate of 150 MB/s
IDE	One primary and one secondary IDE connector. Ultra DMA 33/66/100 support
USB ports	Four USB 2.0 ports
Keyboard	PS/2 keyboard port
Mouse	PS/2 mouse port
Video	VGA port, onboard ATI Rage XL with 8 MB SDRAM
Serial	One RS232 serial port
Parallel	One parallel port
LAN	Two RJ45 LAN jacks
Onboard LAN controllers	Intel 82547 GI Gigabit LAN and Intel 82541 GI Gigabit LAN

CPU

CPU	Intel Pentium 4 with hyperthreading
Clock speed	3.0 GHz
Front side bus speed	800 MHz
L2 cache	1 MB
Process technology	90 nm
Package	FC-PGA4

Hard Disk Drive

Capacity	80 GB or larger
Interface	Serial-ATA

Memory

Standard memory	2 x 256 MB (32 M x 64 bit), DDR400 SDRAM 3–3–3, non-ECC, unbuffered, 184-pin DIMMs
2.5 GB memory upgrade	Standard memory plus 2 x 1 GB (128 M x 64 bit), DDR400 SDRAM 3–3–3, non-ECC, unbuffered, 184-pin DIMMs
4 GB memory upgrade	4 x 1 GB (128 M x 64 bit), DDR400 SDRAM 3–3–3, non-ECC, unbuffered, 184-pin DIMMs

Mechanical

Overall dimensions (standard chassis)

Height	43.2 mm (1.70 in.)
Width	435.1 mm (17.13 in.)
Depth	434.4 mm (17.10 in.)
Weight	8.6 kg (19.0 lbs)

Environmental

Operating temperature	5 to 40 °C
Storage temperature	–10 to 60 °C
Relative humidity	
Operating	10 to 90% noncondensing
Nonoperational (storage)	5 to 95% nonconducting
Operating location	Indoor use
Altitude	2,000 m
Installation Category	II
Pollution Degree	2

Safety

This product is designed to meet the requirements of the following standards of safety for electrical equipment for measurement, control, and laboratory use:

- IEC 60950-1, EN 60950-1
- UL 60950-1
- CAN/CSA C22.2 No. 60950-1

Note: For UL and other safety certifications, refer to the product label, or visit ***ni.com/hardref.nsf***, search by model number or product line, and click the appropriate link in the Certification column.

Electromagnetic Compatibility

Emissions	EN 55011 Class A at 10 m FCC Part 15A above 1 GHz
Immunity	EN 61326:1997 + A2:2001, Table 1

CE, C-Tick, and FCC Part 15 (Class A) Compliant

Note: For EMC compliance, operate this device with shielded cabling.

CE Compliance CE

This product meets the essential requirements of applicable European Directives, as amended for CE marking, as follows:

Low-Voltage Directive (safety)	73/23/EEC

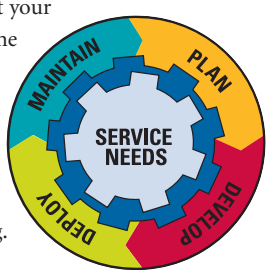
Electromagnetic Compatibility

Directive (EMC)	89/336/EEC

Note: Refer to the Declaration of Conformity (DoC) for this product for any additional regulatory compliance information. To obtain the DoC for this product, visit ***ni.com/hardref.nsf***, search by model number or product line, and click the appropriate link in the Certification column.

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Hardware Services

NI Factory Installation Services

NI Factory Installation Services (FIS) is the fastest and easiest way to use your PXI or PXI/SCXI™ combination systems right out of the box. Trained NI technicians install the software and hardware and configure the system to your specifications. NI extends the standard warranty by one year on hardware components (controllers, chassis, modules) purchased with FIS. To use FIS, simply configure your system online with ni.com/pxiadvisor.

Calibration Services

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. We provide manual calibration procedures, services to recalibrate your products, and automated calibration software specifically designed for use by metrology laboratories. Visit ni.com/calibration.

Repair and Extended Warranty

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