

## CERTIFICATE

Certificate Id: 2PAA104103\_Dell\_Precision\_R5400

Category:	Servers and Workstation
Product Name:	Dell Precision R5400 incl. FX100
Software Version:	N/A
Chipset Version:	Intel 5400
Vendor:	Dell
Certification Test Report:	3BSE055707
Certification reference:	System 800xA Version 5.0 SP2
Restrictions:	Only 2 monitors supported

The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB  
721 59 Vasteras, Sweden

Date: 2008-10-09

Representative for the official steering body for the Industrial IT Certification



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Erik Oja

# Dell Precision R5400

## Industrial<sup>IT</sup> Certification



The Dell Precision R5400 Rack Workstation paired with the Dell FX100 Remote Access Device, forms a unique Dell solution. This flexible standards based offering enables remote access to the full performance of a rack workstation from anywhere on the network.

- Securely centralize data and applications
- Enable high-performance GPGPU clusters
- Resolve traditional KVM distance limitations

Certification results and product details are summarized below:

Product Overview					
Processor	Memory	Chipset	Hard disk	Expansion Bays	Graphics
1 or 2x Intel Quad Core Xeon E5405 (2.0GHz,2x6MB,1333MHz) to E5450 (3.0Hz,6MB,1333MHz) 1 or 2x Intel Quad Xeon L5240 (3.0GHz,2x3MB,1333MHz) 1 or 2x Intel Dual Core Xeon X5260 (3.33GHz,2x3MB,1333MHz)	1GB, or 2GB and supports up to 4GB maximum memory	Intel 5400	80, 160, 250, 320, 500, 750 GB, 1TB 7200rpm SATA	1 PCI Express x16 wired as x8, 1 PCI-x or 1 PCI, 1 PCI-x All full length	nVidia Quadro FX-1700 512MB, FX-570 256MB, NVS-290 256MB, FX-3700 512MB, FX4600 768MB
Network	Storage CD-ROM	Operating System		USB 2.0	Floppy 3.5"
Integrated BroadCom 5754 Gigabit Ethernet Controller 10/100/1000 PCIe x1	DVD-ROM 8x, DVD +/-RW 8x, DVD-ROM & 24x CD+/-RW Combo	Genuine Windows XP		5 x USB 2.0 (2 in front, 3 in rear)	Optional through USB

Product Details in tested sample	
Product	Dell Precision R5400 incl. FX100
Processor	Intel® Quad Core E5430 @ 2.66GHz
Memory	4GB DDR2 667MHz Quad Channel ECC
Hard disc	250 GB 7200 RPM SATA II
Graphics	nVidia Quadro FX3700 512MB
Network	1 Integrated Dual BroadCom 5754 Gigabit Ethernet Controller 10/100/1000
Storage CD-ROM	8x DVD+/-RW
Operation System	Microsoft Windows XP Professional SP2

Engineering	
Configuration and installation	Drivers and Utilities P/N G457F Rev. A00

# Dell Precision R5400

Industrial<sup>IT</sup> Certification



The Dell Precision R5400 is a high performance dual socket rack workstation that provides an industry-standard alternative to blade workstations providing fully scalable high performance graphics options.

- Wide choice of standard desktop workstation class OpenGL graphics cards with the flexibility to change at a later date.
- Supports as standard Microsoft® Windows® XP Pro 32-bit operating systems.
- Additional standard PCIe and PCI slots for excellent flexibility.

The Dell R5400 Rack Workstation closely supports the 800xA Extended Automation System Value Propositions as noted below:

## 800xA Value Proposition Mapping

✓	<b>Reducing Time to Decision and Action</b> - Detailed performance information can be retrieved. - Wide word standard product
✓	<b>Engineering for Maximum Performance</b> - High level configuration - Number of options available for different configuration needs - Several CPU models depending on performance and cost
✓	<b>Reducing Risk through High Integrity Automation</b> - Reduced risk through reduced number of components - Mechanical form factor improves lifetime - Built with standard components
✓	<b>Optimizing Plant Asset Availability and Performance</b> - Possible to change components without any mechanical tools - Grow with the project.
	<b>Integrating Information for Improved Visibility</b>
✓	<b>Investment Enhancement through Evolution</b> - Continues developments of components to fit in existing Dell product family.