

CERTIFICATE

Certificate Id: 2PAA114290_Dell_PowerEdge_R730XL

Category:	Servers and Workstation
Product Name:	Dell PowerEdge R730/R730XL
Software Version:	N/A
Chipset Version:	Intel C610 series chipset
Vendor:	Dell
Certification Test Report:	3BSE082414
Certification reference:	System 800xA Version 6.0
Restrictions:	

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: 2015-02-25

Representative for the official steering body for the Industrial IT Certification



Hans Johannisson

Dell PowerEdge R730XL

Industrial^{IT} Certification



The incredible versatility of the PowerEdge R730 server delivers outstanding functionality in just 2U of rack space. With the combination of powerful processors, large memory, fast storage options and GPU accelerator support, the R730 performs exceptionally well in a number of demanding environments.



Certification and product details are summarized below:

Product Overview

Processor	Intel® Xeon® processor E5-2600 v3 product family
Memory	Up to 768GB (24 DIMM slots): 4GB/8GB/16GB/32GB DDR4 up to 2133MT/s
Chipset	Intel C610 series chipset
Hard disc	HDD: SAS, SATA, nearline SAS SSD: SAS, SATA 16 x 2.5" – up to 29TB via 1.8TB hot-plug SAS hard drives 8 x 3.5" – up to 48TB2 via 6TB hot-plug NL SAS hard drives
Drive Bays	Up to 16 x 2.5" HDD: SAS, SATA, Near-line SAS SSD: SAS, SATA Up to 8 x 3.5" HDD: SAS, SATA, Near-line SAS SSD: SAS, SATA
Network	A wide range of network controllers from different vendors
Operating System	Microsoft Windows® Server 2008/2012 R2, x64 (includes Hyper-V™ v2)
I/O slots	Up to 7 x PCIe 3.0 plus dedicated PERC slot

Product Details in tested sample

Product	Dell PowerEdge R730/R730XL
Processor	Six Core Intel® Xeon® E5-2620 v3 (2.4GHz)
Memory	32GB (4x8GB) 2133MHz DDR3 ECC RDIMM
Hard disc	2x 300GB SAS (10k Rpm)
Network	Broadcom 5720 Quad-Port GbE Network Daughter Card
Storage CD-ROM	Slimline DVD+/-RW
Operating System	Windows® Server 2012 R2 Standard 64bit

Engineering

Configuration and installation	OpenManage Systems Management Tools and Documentation P/N: 9FN0G Rev. A00
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Dell PowerEdge R730XL

Industrial^{IT} Certification



The popular-sized 2S/2U R730 can be easily configured as a reliable, general-purpose server for business-critical applications, with scale-out storage, automated management and high-availability features, such as:

- Redundant power supply units (PSUs)
- Hot-plug and swappable PSUs, HDDs and fans
- Dual SD card option for failsafe hypervisors

The Dell PowerEdge R730/R730XL supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action
	- Detailed performance information can be retrieved.
	- Worldwide standard product
✓	Engineering for Maximum Performance
	- High level configuration
	- Number of options available for different configuration needs
✓	Reducing Risk through High Integrity Automation
	- Reduced risk through reduced number of components
	- Mechanical form factor improves lifetime
✓	Optimizing Plant Asset Availability and Performance
	- Possible to change components without any mechanical tools
✓	Investment Enhancement through Evolution
	- Continuous developments of components to fit in existing Dell product family.