

CERTIFICATE

Certificate Id: 2PAA114806_Dell_PowerEdge_R430

Category:	Servers and Workstation
Product Name:	Dell PowerEdge R430
Software Version:	N/A
Chipset Version:	Intel C610 series chipset
Vendor:	Dell
Certification Test Report:	3BSE084612
Certification reference:	System 800xA Version 6.0 64bit
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: 2015-09-18

Representative for the official steering body for the Industrial IT Certification


Jenny Sjödaahl

Dell PowerEdge R430

Industrial^{IT} Certification



Drive powerful performance across a wide range of workloads with the latest Intel® Xeon® processor E5-2600 v3 product family. Accelerate performance and grow memory capacity throughput with 12 DIMM slots and DDR4 memory. Boost I/O performance with up to 10 high-IOPS hard drives and two PCIe 3.0 I/O slots, driving 2x data throughput compared to previous generations.

Certification product details are summarized below:

Product Overview

Processor	Intel® Xeon® processor E5-2600 v3 product family
Memory	Up to 384GB (12 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR4 up to 2133MT/s
Chipset	Intel C610 series chipset
Hard disc	HDD: SAS, SATA, nearline SAS, SSD
Drive Bays	10 x 2.5" hot-plug drives 8 x 2.5" hot-plug drives 4 x 3.5" hot-plug drives 4 x 3.5" cabled drives
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	2 x PCIe 3.0

Product Details in tested sample

Product	Dell PowerEdge R430
Processor	Six Core Intel® Xeon® E5-2603 v3 (1.6GHz)
Memory	32GB (8x4GB) 2133MHz DDR3 ECC RDIMM
Hard disc	2x 1TB SAS (7,2k Rpm)
Network	Broadcom 4 x 1GbE LOM
Storage CD-ROM	Slimline DVD+/-RW
Operating System	Windows® Server 2012 R2 Standard 64bit

Engineering

Configuration and installation	-
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Dell PowerEdge R430

Industrial^{IT} Certification



Designed for rack environments requiring peak two-socket performance, sizeable internal storage capacity and short chassis depth to overcome space constraints, the PowerEdge R430 rack server is an excellent fit for high-performance computing (HPC), web tech and infrastructure scale-out. The R430 also serves well for collaboration and productivity applications, surveillance and site security, and is likewise attractive as a dedicated backup or development server.

The Dell PowerEdge R430 supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action <ul style="list-style-type: none">- Detailed performance information can be retrieved.- Worldwide standard product
✓	Engineering for Maximum Performance <ul style="list-style-type: none">- High level configuration- Number of options available for different configuration needs
✓	Reducing Risk through High Integrity Automation <ul style="list-style-type: none">- Reduced risk through reduced number of components- Mechanical form factor improves lifetime
✓	Optimizing Plant Asset Availability and Performance <ul style="list-style-type: none">- Possible to change components without any mechanical tools
✓	Investment Enhancement through Evolution <ul style="list-style-type: none">- Continuous developments of components to fit in existing Dell product family.