

CERTIFICATE

Certificate Id: 2PAA114288_Dell_Precision_R7910XL

Category:	Servers and Workstation
Product Name:	Dell Precision R7910/R7910XL
Software Version:	N/A
Chipset Version:	Intel® C612 Chipset
Vendor:	Dell
Certification Test Report:	3BSE082412
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 Precision R7910XL

Industrial^{IT} Certification



The Dell Precision R7910 offers the same power and scalability found in our highest-performing tower workstations with the convenience of a slim 2U design:

- Take on the toughest most complex applications/workloads with 1 or 2 Intel® Xeon® processors (E5-2600 v3) with up to 36 cores.
- Easily manage huge data sets with up to 1TB of 2133MHz DDR4 quad-channel ECC RDIMM memory
- Maintain uptime through optional redundant power supplies.

Certification results and product details are summarized below:

Product Overview

Processor	Quad Core Intel Xeon E5-2623 v3 (3.0GHz), E5-2637 v3 (3.5GHz) Six Core Intel Xeon E5-2603 v3 (1.6GHz), E5-2609 v3 (1.9GHz) E5-2620 v3 (2.4GHz), E5-2643 (3.4GHz) Eight Core Intel Xeon E5-2630 v3 (2.4GHz), E5-2667 v3 (3.2GHz) Ten Core Intel Xeon E5-2650 v3 (2.3GHz), E5-2687W v3 (3.1GHz) Twelve Core Intel Xeon E5-2670 v3 (2.3GHz), E5-2680 v3 (2.5GHz) Fourteen Core Intel Xeon E5-2695 v3 (2.3GHz), E5-2697 v3 (2.6GHz)
Memory	Quad channel; Up to 1TB 2133 MHz DDR4 ECC RDIMM memory (32GB RDIMM); 16 DIMM slots (8/ processor—require dual processors)
Chipset	Intel® C612 Chipset
Hard disc	500GB/1TB (7200 rpm) 2.5" SATA, 900GB/1.2TB (10k rpm) 2.5" SAS, 300/600GB (15k rpm) 2.5" SAS, 256/512GB 2.5" SSD (SATA), 400GB 2.5" SSD (SAS)
Expansion Bays	Eight external 2.5" bays; one external 5.25" slimline optical drive bay
Graphics	NVIDIA Quadro K620 2GB, NVIDIA Quadro K2200 4GB, NVIDIA Quadro K4200 4GB, NVIDIA Quadro K5200 8GB
Network	Integrated: Intel I350 QP, 4 port Intel 1Gb/s NIC Optional Tera2 dual/quad display PCoIP™ PCIe remote access host card to connect to Dell Wyse P25/P45 zero client device
Optional Removable Storage	DVD-ROM, DVD+/-RW
Operating System	Windows 7 Pro (64-Bit), Windows 8.1 Pro (64-Bit)
USB	3 USB 2.0 (2 front and 1 internal) 2 USB 3.0 (rear)
Remote device	Wyse P25/P45 zero client device

Product Details in tested sample

Product	Dell Precision R7910XL
Processor	Six Core Intel® Xeon® E5-2620 v3 (2.4GHz)
Memory	8GB (2x4GB) 2133MHz DDR3 ECC RDIMM
Hard disc	500GB Serial ATA (7.200 Rpm)
Graphics	2x Nvidia Quadro K620 2GB
Network	Intel I350 (4x1GB) Quad Port Network card
Storage CD-ROM	Slimline DVD+/-RW
Operating System	Windows® 8.1 Pro 64-Bit

Engineering

Configuration and installation	None
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Industrial^{IT}
enabled

Dell Precision R7910XL

Industrial^{IT} Certification



You'll discover a great deal of deployment flexibility in the rack-based Dell Precision R7910/R7910XL.

For maximum performance, deploy it as a one-to-one workstation solution using the optional Wyse P25/P45 zero client device. This solution uses Teradici Tera 2 hardware-based compression and the PCoIP protocol for remote connectivity providing a superb, responsive workstation experience.

The Dell Precision R7910/R7910XL 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.