CERTIFICATE

Certificate Id: 2PAA109157_HP_ProLiant_ML350p_Gen8

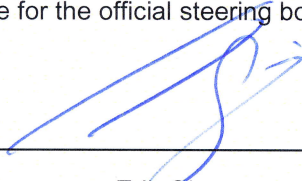|	
Category:	Servers and Workstation
Product Name:	Hewlett Packard ML350p Gen8
Software Version:	N/A
Chipset Version:	Intel® C600 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE070687
Certification reference:	System 800xA Version 5.1 FP2 64bit
Restrictions:	No support for RTA-boards

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
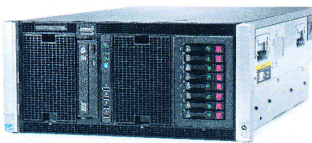721 59 Vasteras, Sweden

Date: 2012-06-21

Representative for the official steering body for the Industrial IT Certification

Erik Oja

HP ProLiant ML350p Gen8
Industrial^{IT} Certification

The HP ProLiant ML350p Gen8 Server series offers:
- Intel® Xeon® E5-2600 Processor Family
- HP SmartMemory which has unmatched performance, quality and manageability advantages above industry standards memory.
- New HP SmartDrive technology improves serviceability with features such as icon-based status display and Do Not Remove LED.

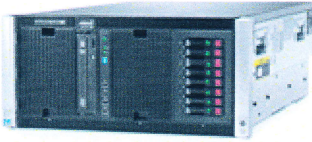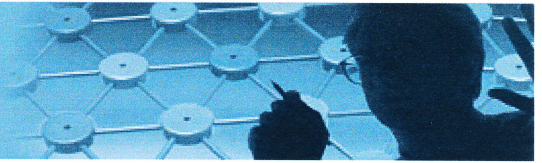Certification results and product details are summarized below:

Product Overview	
Processor	Intel Xeon 2-core (E5-2637 3.0 GHz) Intel Xeon 4-core (E5-2603 1.8 GHz, E5-2609 2.4 GHz, E5-2643 3.3 GHz) Intel Xeon 6-core (E5-2630L 2.0 GHz, E5-2620 2.0 GHz, E5-2630 2.3 GHz, E5-2640 2.5 GHz, E5-2667 2.9 GHz) Intel Xeon 8-core (E5-2650L 1.8 GHz, E5-2650 2.0 GHz, E5-2660 2.2 GHz, E5- 2665 2.4 GHz, 2670 2.6 GHz, E5-2680 2.7 GHz, E5-2690 2.9 GHz)
Memory	Maximum Capacity 768GB (24 x 32GB LRDIMM @1333MHz) 384GB (24x 16GB RDIMM @1600MHz) 128GB (16 x 8GB UDIMM @1333MHz)
Chipset	Intel® C600 Series Chipset
Hard disc	HP 500/1000 GB 2,5in - HP 500GB/1TB/2TB/3TB 3.5in 7.2K SAS HDD HP 300/450/600/900 GB 10K SAS 2,5in HDD HP 72/146/300 GB 2.5in – HP 450/600 GB 3.5in 15k SAS HDD HP 100/200/400 GB 2.5in – 100/200/400 GB 3.5in SSD HDD SATA HP 200/400/800 GB 2.5in SSD HDD SAS
Expansion Bays	Up to 9 PCIe Gen3 slots
Graphics	Integrated Matrox G200
Network	HP 1Gb Ethernet 4-port 331i Adapter. Different additional options available.
Storage DVD-ROM	DVD-ROM, DVD-RW
Operation System	Microsoft Windows Server 2008 R2 including SP1 and Microsoft Windows Server 2008 including SP2
USB 2.0	10 total: 4 front, 4 back, 2 internal

Product Details in tested sample	
Product	HP ProLiant ML350p Gen8
Processor	1x Intel Xeon 6-core E5-2630 2.30 GHz 15 MB cache, 1333 MHz memory (Turbo)
Memory	2x 4GB DDR3 1333 MHz
Hard disc	2x 300GB 10k SAS 2.5 HDD
Graphics	Integrated Matrox G200
Network	HP 1Gb Ethernet 4-port 331i Adapter , HP Ethernet 1Gb 4-port 331T Adapter
Storage DVD-ROM	DVD-RW
Operation System	Microsoft Windows Server 2008 R2 SP1

Engineering	
Configuration and installation	Intelligent Provisioning HP System Management Homepage v7.0.0.24

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HP ProLiant ML350p Gen8

Industrial^{IT} Certification

The HP ProLiant ML350p Gen8 Server series is the latest generation of the best-selling ProLiant ML servers delivering best-in-class performance, availability and maximum expandability for enterprise data centers, remote branch offices and growing businesses. Incorporating key HP technologies from the HP ProActive Insight architecture, the ML350p Gen8 provides innovations in memory, server management, firmware management and server storage.

The HP ProLiant ML350p Gen8 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.

✓ 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
- Grow with the project.

✓ Investment Enhancement through Evolution
- Continues developments of components to fit in existing Hewlett Packard product family.

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