CERTIFICATE

Certificate Id: 2PAA110537_HP_ProLiant_DL380e_Gen8

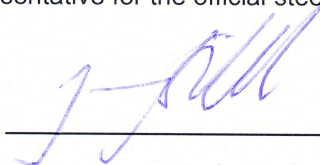|	
Category:	Servers and Workstation
Product Name:	Hewlett Packard DL380e Gen8
Software Version:	N/A
Chipset Version:	Intel® C600 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE073888
Certification reference:	System 800xA Version 5.1 FP3 64bit
Restrictions:	No support for RTA-boards

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: 2013-04-08

Representative for the official steering body for the Industrial IT Certification

Jenny Sjödahl

HP ProLiant DL380e Gen8, a dual-socket 2U rack server, offers unprecedented performance, flexibility, manageability, and serviceability suitable to SMBs and enterprise customers. It is ideal for datacenters looking for essential flexibility and expandability to meet their compute and storage needs.

Certification results and product details are summarized below:

| Product Overview	
Processor	Intel Xeon 4-core (E5-2403 1.8 GHz, E5-2407 2.2 GHz) Intel Xeon 6-core (E5-2420 1.9 GHz, E5-2430L 2.0 GHz, E5-2430 2.2 GHz, E5-2440 2.4 GHz) Intel Xeon 8-core (E5-2450L 1.8 GHz, E5-2450 2.1 GHz, E5-2470 2.3 GHz)
Memory	Maximum Capacity 384GB (12 x 32GB LRDIMM @1333MHz) 192GB (12x 16GB RDIMM @1600MHz or 1333MHz) 96GB (12 x 8GB UDIMM @1333MHz)
Chipset	Intel® C600 Series Chipset Intel® E5-2400 Processor Family
Hard disc	HP 500/1000 GB 7.2K SAS 2,5-inch HDD (1, 2, 3 TB 3,5-inch) HP 300/450/600/900/1200 GB 10K SAS 2,5in HDD HP 146/300 GB 15k SAS 2.5in HDD (450, 600 GB 3,5-inch) HP 100/200/400/800 GB SSD HDD SATA (2,5 and 3,5-inch) HP 100/200/400/800 GB SSD HDD SAS (2,5 and 3,5-inch)
Expansion Bays	Up to 3 PCIe Gen3 slots, 1 PCIe Gen2.0
Graphics	Integrated Matrox G200
Network	HP Ethernet 1Gb 4-port 366i Adapter. Different additional options available.
Storage DVD-ROM	DVD-ROM, DVD+/-RW
Operating System	Microsoft Windows Server 2008 R2 including SP1 and Microsoft Windows Server 2008 including SP2
USB 2.0	Up to 7 total: up to 2 front, 4 back, 1 internal

Product Details in tested sample	
Product	HP ProLiant DL380e Gen8
Processor	Intel Xeon 4-core E5-2407 2.20 GHz 10 MB cache, 1066 MHz memory
Memory	3x 4 GB DDR3 1333 MHz
Hard disc	2x 300GB 10k SAS 2.5 HDD
Graphics	Integrated Matrox G200
Network	HP Ethernet 1Gb 4-port 366i Adapter
Storage DVD-ROM	No
Operating System	Microsoft Windows Server 2008 R2 SP1

Engineering	
Configuration and installation	Intelligent Provisioning HP System Management Homepage v7.2.0.14

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HP ProLiant DL380e Gen8
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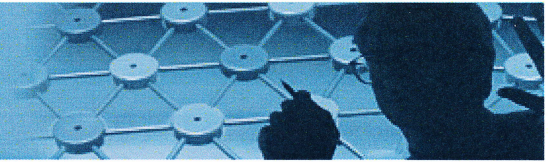
Redefining the Customer Experience with HP ProActive Insight architecture

• User-inspired design features that prevent data loss, reduce downtime, and improve serviceability include HP SmartDrives, HP Smart Socket guides, "Snap and Go" rail kit options, and tool-less access to components.
• Integrated Lifecycle Automation provides intuitive system management with simplified provisioning, proactive health monitoring and alerting, and automated firmware and system software maintenance.

The HP ProLiant DL380e 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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