

CERTIFICATE

Certificate Id: 2PAA110764_HP_ProLiant_ML350e_Gen8

Category:	Servers and Workstation
Product Name:	Hewlett Packard ML350e Gen8
Software Version:	N/A
Chipset Version:	Intel® C600 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE073893
Certification reference:	System 800xA Version 5.1 FP3 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

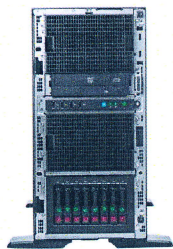
Date: 2013-04-08

Representative for the official steering body for the Industrial IT Certification

Jenny Sjö Dahl

HP ProLiant ML350e Gen8

Industrial^{IT} Certification



The HP ProLiant ML350e Gen8 is a dual processor tower platform, which is built on the latest Intel® Xeon® E5-2400 processors to create unique system architecture. This unique architecture as well as flexible deployment options allow the businesses to scale as needed so they can optimize their IT spending dollars. The HP ProLiant ML350e Gen8 delivers the industry's most powerful embedded management technology with HP integrated Lights-Out 4 (iLO4), which allows businesses to manage the servers anytime and from anywhere.

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 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	4 PCIe Gen3 slots, 2 PCIe
Graphics	Integrated Matrox G200
Network	HP Ethernet 1Gb 2-port 361i 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	Up to 10 total: up to 4 front, 4 back, 2 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	2x 4 GB DDR3 1333 MHz
Hard disc	2x 450GB 15k SAS 3.5-inch HDD
Graphics	Integrated Matrox G200
Network	HP Ethernet 1Gb 2-port 361i Adapter
Storage DVD-ROM	DVD-ROM
Operating System	Microsoft Windows Server 2008 R2 SP1

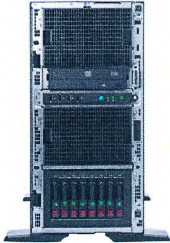
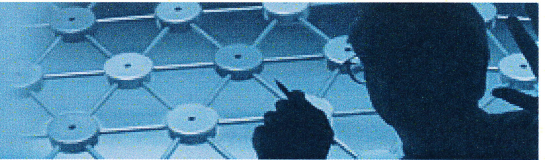
Engineering

Configuration and installation	Intelligent Provisioning HP System Management Homepage v7.2.0.14
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Industrial^{IT}
enabled

HP ProLiant ML350e Gen8

Industrial^{IT} Certification



Reduced Overall Complexity of Server Deployment and Management

- HP iLO simplifies server setup and enables remote management.
- HP Agentless Management provides for built in monitoring and alerting capability the moment the system is turned on.
- HP Active Health System provides continuous monitoring for stability and shorter downtimes.
- HP Intelligent Provisioning (previously known as SmartStart) offers out-of-box single-server deployment and configuration without the need for physical media.

The HP ProLiant ML350e 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 - Continued development of components to fit in existing Hewlett Packard product family.