CERTIFICATE

Certificate Id: 2PAA114780_HP_ProLiant_DL380_Gen9

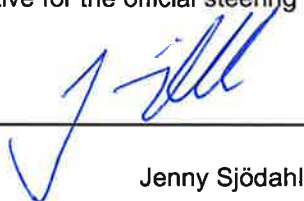|	
Category:	Servers and Workstation
Product Name:	Hewlett Packard DL380 Gen9
Software Version:	N/A
Chipset Version:	Intel® C610 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE084513
Certification reference:	System 800xA Version 5.1 64bit FP4
Restrictions:	No support for RTA-boards
	If used with IEC61850 OPC server please read workaround on the certification webpage

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: 2015-08-28

Representative for the official steering body for the Industrial IT Certification

Jenny Sjödahl

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HP ProLiant DL380 Gen9
Industrial^{IT} Certification

The HP ProLiant DL380 Gen9 Server supports industry standard Intel® Xeon® E5-2600 v3 processors with up to 18 cores, 12G SAS and 1.5 TB of HP DDR4 Smart Memory. High efficiency redundant HP Flexible Slot Power Supplies provide up to 96% efficiency (Titanium), HP Flexible Slot Battery Backup module and support for the HP Power Discovery Services offering.

Certification product details are summarized below:

Product Overview	
Processor	A variety of 4 to 18 cores processors from Intel Xeon E5-2600v3 Processors Family
Memory	Maximum Capacity 1.5TB (24 x 64GB LRDIMM @2133MHz) 768GB (24 x 32GB RDIMM @2133MHz)
Chipset	Intel® C610 Series Chipset Intel® E5-2600v3 Processor Family
Hard disc	Wide selection of 2.5 and 3.5-inch HDD (24 + 2 SFF/12 + 3 LFF max, HDD/SSD and M.2 enabled - 120 TB max)
Expansion Bays	Up to 6 PCIe 3.0 slots
Graphics	Integrated Matrox G200eH2
Network	HP Embedded 1Gb Ethernet 4-port 331i Adapter. Different additional options available.
Storage DVD-ROM	Optional: DVD-ROM, DVD+/-RW
Operating System	Microsoft Windows Server 2012 R2 and Microsoft Windows Server 2008 R2
USB	Up to 5 total: 1 front, 2 rear, 2 internal (secure), 2 optional USB 2.0 front via Universal Media Bay

Product Details in tested sample	
Product	HP ProLiant DL380 Gen9
Processor	Intel Xeon 4-core E5-2620v3 2.4 GHz 15 MB cache, 1866 MHz memory
Memory	4x 8 GB DDR4 2133 MHz
Hard disc	2x 300GB 15k SAS 2.5 HDD
Graphics	Integrated Matrox G200eH2
Network	HP Embedded 1Gb Ethernet 4-port 331i Adapter, HP Ethernet 1Gb 4-port 331FLR Adapter
Storage DVD-ROM	DVD+/-RW
Operating System	Microsoft Windows Server 2008 Standard R2

Engineering	
Configuration and installation	Intelligent Provisioning

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HP ProLiant DL380 Gen9
Industrial^{IT} Certification

The HP ProLiant DL380 Gen9 Server has a flexible redesigned chassis, including new HP Universal Media Bay configuration options with 8 to 24 SFF and 4 or 12 LFF drive options and additional rear drive support for expandability and investment protection.

The redesigned HP Flexible Smart Array and HP Smart SAS HBA Controllers allow you the flexibility to choose the optimal 12 Gb/s controller most suited to your environment. In conjunction with the embedded SATA HP Dynamic Smart Array B140i Controller for boot, data and media needs.

The HP ProLiant DL380 Gen9 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

✔	**Investment Enhancement through Evolution** - Continuous developments of components to fit in existing Hewlett Packard product family.

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