

## CERTIFICATE

Certificate Id: 2PAA114781\_HP\_ProLiant\_ML350\_Gen9

Category:	Servers and Workstation
Product Name:	Hewlett Packard ML350 Gen9
Software Version:	N/A
Chipset Version:	Intel® C610 Series Chipset
Vendor:	Hewlett Packard
Certification Test Report:	3BSE084514
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 Sjö Dahl

# HP ProLiant ML350 Gen9

Industrial<sup>IT</sup> Certification



Designed to deliver simplified expandability, easy manageability, and proven reliability, the HP ProLiant ML350 Gen9 Server leverages the latest Intel® Xeon® processor E5-2600 v3 processors with up to 70 percent performance gain and additional support for 12 GB/s serial-attached SCSI (SAS) with a broad range of graphics and compute options.

Certification product details are summarized below:

## Product Overview

<b>Processor</b>	A variety of 4 to 18 cores processors from Intel Xeon E5-2600v3 Processors Family
<b>Memory</b>	Maximum Capacity 768GB (24 x 32GB LRDIMM @2133MHz) 384GB (24 x 16GB RDIMM @2133MHz)
<b>Chipset</b>	Intel® C610 Series Chipset Intel® E5-2600v3 Processor Family
<b>Hard disc</b>	Wide selection of 2.5 and 3.5-inch HDD (up to 48x 2.5-inch HDD and 24x 3.5-inch HDD)
<b>Expansion Bays</b>	Up to eight PCIe 3.0 and one PCIe 2.0 slots
<b>Graphics</b>	Integrated Matrox G200eH
<b>Network</b>	HP Embedded 1Gb Ethernet 4-port 331i Adapter. Different additional options available.
<b>Storage DVD-ROM</b>	Optional: DVD-ROM, DVD+/-RW
<b>Operating System</b>	Microsoft Windows Server 2012 R2 and Microsoft Windows Server 2008 R2
<b>USB</b>	Up to 8 total: USB3.0 - 2 rear, 1 internal, USB 2.0 – 2 front, 2 rear, 1 internal

## Product Details in tested sample

<b>Product</b>	HP ProLiant ML350 Gen9
<b>Processor</b>	Intel Xeon 4-core E5-2620v3 2.4 GHz 15 MB cache, 1866 MHz memory
<b>Memory</b>	4x 8 GB DDR4 2133 MHz
<b>Hard disc</b>	2x 300GB 15k SAS 2.5 HDD
<b>Graphics</b>	Integrated Matrox G200eH
<b>Network</b>	HP Embedded 1Gb Ethernet 4-port 331i Adapter, HP Ethernet 1Gb 4-port 331T Adapter
<b>Storage DVD-ROM</b>	DVD+/-RW
<b>Operating System</b>	Microsoft Windows Server 2008 Standard R2

## Engineering

<b>Configuration and installation</b>	Intelligent Provisioning
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# HP ProLiant ML350 Gen9

## Industrial<sup>IT</sup> Certification



The HP ProLiant ML350 Gen9 Server offers expandability with greater capacity with (8) to (24) LFF, (8) to (48) SFF drive options and Maximum I/O expansion.

Maximum expansion capacity with (9) PCIe expansion slots, (8) USB ports, 5U Rack conversion, and Power Supply options.

Embedded 4x1GbE and choice of HP PCIe standup 1GbE or 10GbE Adapters provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

The HP ProLiant ML350 Gen9 supports the 800xA Extended Automation System Value Propositions as noted below:

### 800xA Value Proposition Mapping

✓	<b>Reducing Time to Decision and Action</b> <ul style="list-style-type: none"><li>- Detailed performance information can be retrieved.</li></ul>
✓	<b>Engineering for Maximum Performance</b> <ul style="list-style-type: none"><li>- High level configuration</li><li>- Number of options available for different configuration needs</li></ul>
✓	<b>Reducing Risk through High Integrity Automation</b> <ul style="list-style-type: none"><li>- Reduced risk through reduced number of components</li><li>- Mechanical form factor improves lifetime</li></ul>
✓	<b>Optimizing Plant Asset Availability and Performance</b> <ul style="list-style-type: none"><li>- Possible to change components without any mechanical tools</li></ul>
✓	<b>Investment Enhancement through Evolution</b> <ul style="list-style-type: none"><li>- Continuous developments of components to fit in existing Hewlett Packard product family.</li></ul>