CERTIFICATE

Certificate Id: 2PAA116210_Cisco_UCS_C220_M4

Category:	Server
Product Name:	UCS C220 M4
Vendor:	Cisco systems, Inc.
Certification Test Report:	3BSE086758
Certification reference:	System 800xA Version 6.0
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 Västerås, Sweden

Date: 2016-05-09

Representative for the official steering body for the Industrial IT Certification

Jenny Sjödahl

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Cisco UCS C220 M4
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The enterprise-class UCS C220 M4 server extends the capabilities of the Cisco Unified Computing System (UCS) portfolio in a one rack-unit (1RU) form-factor. It provides:

• Dual Intel® Xeon® E5-2600 v3 or v4 processors for improved performance suitable for nearly all 2-socket applications
• Next-generation double-data-rate 4 (DDR4) memory, 12 Gbps SAS throughput, and NVMe PCIe SSD support
• Innovative Cisco UCS virtual interface card (VIC) support in PCIe or modular LAN on motherboard (MLOM) form factor

Certification results and product details are summarized below:

Product Overview	
Processor	Either 1 or 2 Intel® Xeon® processor E5-2600 v3 or v4 product family CPUs
Memory	Up to 24 double-data-rate 4 (DDR4) dual in-line memory (DIMMs) of up to 2400 MHz speeds
Chipset	Intel C610 series chipset
Hard disc	Up to 8 front-accessible, hot-swappable, small form-factor (SFF) HDD/SSD or up to four large form-factor (LFF) drives, and NVMe drive support
Expansion Bays	Two PCI Express (PCIe) Generation 3 slots
Graphics	Matrox G200e video/graphics controller
Network	A wide range of different network adapters
Operating System	Windows Server 2012 R2
USB	Two (two more in the KVM console connector)

Product Details in tested sample	
Product	Cisco UCS C220 M4
Processor	2x Intel E5-2660 V3 2.60 GHz
Memory	6x 16GB DDR4-2133-MHz RDIMM/PC3-17000/dual rank
Hard disc	2x 1 TB 6 Gbps SAS 7.2K RPM SFF HDD
Graphics	Matrox G200e
Network	Internal Intel Ethernet i350 PCI Dual Port Server Adapter, 2x Intel i350 Quad Port 1Gb Adapter
Storage CD-ROM	None
Operating System	Windows Server 2012 R2 Standard

Engineering	
Configuration and installation	-

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The Cisco UCS C220 M4 server can be deployed standalone or as part of Cisco UCS, which unifies computing, networking, management, virtualization, and storage access into a single integrated architecture. This helps to enable end-to-end server visibility, management, and control in both bare-metal and virtualized environments. In Cisco UCS-managed operations, UCS C220 M4 takes advantage of our standards-based unified computing innovations to significantly reduce customers' TCO and increase business agility.

The Cisco UCS C220 M4 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.
	- Worldwide standard product

✓	**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
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✓	**Optimizing Plant Asset Availability and Performance**
	- Possible to change components without any mechanical tools.
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