

# Cisco UCS C220 M4 server (UCS-SPR-C220M4-P1)

2 x Intel Xeon E5-2660V3, 32 GB DDR4 SDRAM 2133 MHz, Matrox G200e 8 MB, RAID, SATA 6Gb/s, SAS 6Gb/s, PCI Express 3.0



## Price details:

Price excl. VAT: 4,359.77 €

Eco fees: 0.07 €

VAT 21 %: 915.57 €

## Product details:

Product code: UCS-SPR-C220M4-P1

EAN: 0882658784484

Manufacturer: Cisco

**5,275.41 €**

\* VAT included

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## Deliver Exceptional Performance for Space-Constrained Environments

The Cisco UCS® C220 M4 Rack Server is the most versatile, general-purpose enterprise infrastructure and application server in the industry. It is a high-density two-socket enterprise-class rack server that delivers industry-leading performance and efficiency for a wide range of enterprise workloads, including virtualization, collaboration, and bare-metal applications. The Cisco UCS C-Series Rack Servers can be deployed as standalone servers or as part of the Cisco Unified Computing System (Cisco UCS) to take advantage of Cisco's standards-based unified computing innovations that help reduce customers' total cost of ownership (TCO) and increase their business agility.

The enterprise-class Cisco UCS C220 M4 server extends the capabilities of the Cisco UCS portfolio in a 1RU form factor. It incorporates the Intel® Xeon® processor E5-2600 v3 product family, next-generation DDR4 memory, and 12-Gbps SAS throughput, delivering significant performance and efficiency gains. The Cisco UCS C220 M4 rack server delivers outstanding levels of expandability and performance in a compact 1RU package:

- Up to 24 DDR4 DIMMs for improved performance and lower power consumption
- Up to 8 Small Form-Factor (SFF) drives or up to 4 Large Form-Factor (LFF) drives
- Support for 12-Gbps SAS Module RAID controller in a dedicated slot, leaving the remaining two PCIe Gen 3.0 slots available for other expansion cards
- A modular LAN-on-motherboard (mLOM) slot that can be used to install a Cisco UCS virtual interface card (VIC) or third-party network interface card (NIC) without consuming a PCIe slot
- Two embedded 1Gigabit Ethernet LAN-on-motherboard (LOM) ports

## Main specifications:

### Processor

Processor frequency:	2.6 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2660V3
Processor cores:	10
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	25 MB
System bus rate:	9.6 GT/s
Processor manufacturer:	Intel
Compatible processor series:	Intel Xeon
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Supported processor sockets:	LGA 2011-v3 (Socket R)
Processor boost frequency:	3.3 GHz
Processor lithography:	250, 22 nm
Processor threads:	20

Processor operating modes: 64-bit  
 Stepping: M1  
 FSB Parity: N  
 Bus type: QPI  
 Number of QPI links: 2  
 Processor codename: Haswell  
 Tcase: 79 °C  
 Maximum internal memory supported by processor: 32 GB  
 Memory types supported by processor: DDR4-SDRAM  
 Memory clock speeds supported by processor: 1600,2133 MHz  
 Memory bandwidth supported by processor (max): 68 GB/s  
 Memory channels supported by processor: Quad  
 ECC supported by processor: Y  
 Execute Disable Bit: Y  
 Idle States: Y  
 Thermal Monitoring Technologies: Y  
 Maximum number of PCI Express lanes: 40  
 PCI Express configurations: x4, x8, x16  
 Processor package size: 52.5 mm  
 Supported instruction sets: AVX 2.0  
 Scalability: 2S  
 Physical Address Extension (PAE): 46 bit  
 Embedded options available: N  
 Thermal Design Power (TDP): 105 W  
 Processor series: Intel Xeon E5-2600 v3  
 Conflict Free processor: N

#### Memory

Internal memory: 32 GB  
 Internal memory type: DDR4-SDRAM  
 Maximum internal memory: 384 GB  
 Memory slots: 24  
 Memory clock speed: 2133 MHz  
 ECC: Y

#### Storage

RAID support: Y  
 RAID levels: 0,1,5,6,10,50,60,JBOD

#### Graphics

Maximum graphics adapter memory: 8 MB

#### Networking

Ethernet LAN: Y  
 Cabling technology: 10/100/1000Base-T(X)  
 Ethernet interface type: Gigabit Ethernet

#### Ports & interfaces

VGA (D-Sub) ports quantity: 1  
 Ethernet LAN (RJ-45) ports: 4  
 USB 3.0 (3.1 Gen 1) Type-A ports quantity: 2  
 KVM switch ports quantity: 1

#### Expansion slots

PCI Express x16 (Gen 3.x) slots: 2  
 PCI Express slots version: 3.0

#### Design

Chassis type: Rack (1U)  
 Rack mounting: Y  
 Redundant fans support: Y

#### Performance

Operating system installed: N  
 Compatible operating systems: Microsoft Windows Server 2012 R2, Microsoft Windows Server 2012, Microsoft Windows Server 2008 R2, Red Hat Enterprise Linux, Novell SUSE Linux Enterprise Server, Oracle Linux (Unbreakable Enterprise Kernel (UEK)), Oracle Solaris, Ubuntu Server, CentOS  
 Trusted Platform Module (TPM): Y  
 Trusted Platform Module (TPM) version: 1.2

#### Processor special features

CPU configuration (max):	2
Intel Rapid Storage Technology:	N
Enhanced Intel SpeedStep Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel® Wireless Display (Intel® WiDi):	N
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Hyper Threading Technology (Intel® HT Technology):	Y
Intel® My WiFi Technology (Intel® MWT):	N
Intel® Turbo Boost Technology:	2.0
Intel® vPro® Technology:	Y
Intel® Quick Sync Video Technology:	N
Intel® InTru® 3D Technology:	N
Intel® Clear Video HD Technology (Intel® CVT HD):	Y
Intel® Insider®:	N
Intel Flex Memory Access:	N
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	Y
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	Y
Intel® Secure Key:	Y
Intel TSX-NI:	N
Intel® OS Guard:	Y
Intel Clear Video Technology:	N
Intel® Clear Video Technology for Mobile Internet Net Devices (Intel CVT for MID):	Y
Intel 64:	Y
Intel Identity Protection Technology version:	0.00
Intel Secure Key Technology version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel TSX-NI version:	0.00
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	81706

#### Power

Redundant power supply (RPS) support:	Y
Power supply:	770 W
Number of main power supplies:	2
Power supply input frequency:	50 - 60 Hz

#### Weight & dimensions

Width:	430 mm
Depth:	756 mm
Height:	43.2 mm

#### Technical details

Integrated LAN:	Y
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#### Other features

Graphics adapter:	G200e
Graphics adapter family:	Matrox
Intel® Virtualization Technology (Intel® VT):	VT-d,VT-x

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