

Cisco UCS C220 M4 server (UCS-SPR-C220M4-P2)

Rack Mountable, 1U, 2-way, 2x Xeon E5-2680v3 (2.5 GHz), RAM 32 GB, SAS, hot-swap 2.5", no HDD, G200e, Gigabit Ethernet, no OS, none Monitor



Price details:

Price excl. VAT: 4,644.41 €

Eco fees: 0.00 €

VAT 21 %: 975.33 €

Product details:

Product code: UCS-SPR-C220M4-P2

EAN: 0882658784477

Manufacturer: Cisco

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5,619.74 €

* VAT included

The Cisco UCS C220 M3 Rack Server offers superior performance and density over a wide range of business workloads, from web serving to distributed database.

- General purpose, suitable for nearly all 2-socket applications
- Unique Cisco UCS Virtual Interface Card 1225: 2 x 10GE PCIe that can support up to 256 PCIe virtual interfaces
- Exceptional building block and entry point for the Cisco Unified Computing System
- Cisco continually innovates in server technology and in all levels of the Cisco Unified Computing System

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: | 2.5 GHz |
| Processor family: | Intel Xeon E5 v3 |
| Processor model: | E5-2680V3 |
| Processor cores: | 12 |
| Number of processors installed: | 2 |
| Processor cache type: | Smart Cache |
| Processor cache: | 30 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: | 28, 22 nm |
| Processor threads: | 24 |
| Processor operating modes: | 64-bit |
| Stepping: | M1 |
| FSB Parity: | N |
| Bus type: | QPI |
| Number of QPI links: | 2 |
| Processor codename: | Haswell |
| Tcase: | 84.5 °C |
| Maximum internal memory supported by processor: | 384 GB |
| Memory types supported by processor: | DDR4-SDRAM |
| Memory clock speeds supported by processor: | 1600,1866,2133 MHz |
| Memory bandwidth supported by processor (max): | 69 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): | Y |
| Physical Address Extension (PAE): | 46 bit |
| Embedded options available: | Y |
| Thermal Design Power (TDP): | 120 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 |
| Memory layout (slots x size): | 2 x 16 GB |

Storage

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|---------------|-----------------------|
| RAID support: | Y |
| RAID levels: | 0,1,5,6,10,50,60,JBOD |
| Hot-swap: | Y |

Graphics

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|----------------------------------|------|
| Maximum graphics adapter memory: | 8 MB |
|----------------------------------|------|

Networking

| | |
|--------------------------|--------------------------------|
| Ethernet LAN: | Y |
| LAN controller: | Intel I350 |
| Cabling technology: | 10/100/1000Base-T(X) |
| Ethernet interface type: | Fast Ethernet,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

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|----------------------------|-----|
| PCI Express slots version: | 3.0 |
|----------------------------|-----|

Design

| | |
|-------------------------|-----------|
| Chassis type: | Rack (1U) |
| Optical drive type: | N |
| 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 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): | N |
| 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: | Y |
| Intel® vPro® Technology: | Y |
| Intel® Quick Sync Video Technology: | N |
| Intel® InTru® 3D Technology: | N |
| Intel® Clear Video HD Technology (Intel® CVT HD): | N |
| 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 Devices (Intel CVT for MID): | N |
| 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: | 81908 |

Power

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|---------------------------------------|------------|
| Redundant power supply (RPS) support: | Y |
| Number of main power supplies: | 1 |
| Power supply input frequency: | 50 - 60 Hz |

Weight & dimensions

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

Technical details

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|-----------------|---|
| Integrated LAN: | Y |
|-----------------|---|

Other features

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

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