

## 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: 4,621.50 €

Eco fees: 0.00 €

VAT 21 %: 970.52 €

### Product details:

Product code: UCS-SPR-C220M4-P2

EAN: 0882658784477

Manufacturer: Cisco

**5,592.02 €**

\* VAT included

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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:    | 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):  | 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):               | 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

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

#### Graphics

|                                  |      |
|----------------------------------|------|
| 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

|                            |     |
|----------------------------|-----|
| 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<br>Microsoft Windows Server 2012<br>Microsoft Windows Server 2008 R2<br>Red Hat Enterprise Linux<br>Novell SUSE Linux Enterprise Server<br>Oracle Linux<br>Oracle Solaris<br>Ubuntu Server<br>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): | 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:  | 81908 |

#### Power

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

#### Weight & dimensions

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

#### Technical details

|                 |   |
|-----------------|---|
| 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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