

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

1U, 2 x Intel Xeon E5-2660 v2, 32 GB DDR3, 16GB SD Card, no HDD, MegaRAID 9271CV, 2 x 1 Gb LAN, 2 x 650W



## Price details:

Price excl. VAT: 4,140.33 €

Eco fees: 0.08 €

VAT 21 %: 869.49 €

## Product details:

Product code: UCS-SPR-C220-P1

EAN: 0882658668777

Manufacturer: Cisco

**5,009.90 €**

\* VAT included

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The Cisco® Unified Computing System (Cisco UCS) combines Cisco UCS C-Series Rack Servers and B-Series Blade Servers with networking and storage access into a single converged system that simplifies management and delivers greater cost efficiency and agility with increased visibility and control. The latest expansion of the Cisco UCS portfolio includes the new Cisco® UCS C220 M3 Rack Server (one rack unit [1RU]) and Cisco UCS C240 M3 Rack Server (2RU) and the Cisco UCS B200 M3 Blade Server. These three new servers increase compute density through more cores and cache balanced with more memory capacity, disk drives and with faster I/O. Together these server improvements and complementary Cisco UCS advancements deliver the best combination of features and cost efficiency required to support IT's diverse server needs.

The Cisco UCS C220 M3 Rack Server (Figure 1) is designed for performance and density over a wide range of business workloads, from web serving to distributed databases. Building on the success of the Cisco UCS C200 M2 Rack Server, the enterprise-class Cisco UCS C220 M3 server further extends the capabilities of the Cisco UCS portfolio in a 1RU form factor with the addition of the Intel® Xeon® processor E5-2600 and E5-2600 v2 product families, which deliver significant performance and efficiency gains. In addition, the Cisco UCS C220 M3 server offers up to two Intel® Xeon® processor E5-2600 or E5-2600 v2 processors, 16 DIMM slots, eight disk drives, and two 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports, delivering outstanding density and performance in a compact package.

The Cisco UCS C220 M3 interfaces with Cisco UCS using another unique Cisco innovation: the Cisco UCS Virtual Interface Card. The Cisco UCS Virtual Interface Card is a virtualization-optimized Fibre Channel over Ethernet (FCoE) PCI Express (PCIe) 2.0 x8 10-Gbps adapter designed for use with Cisco UCS C-Series servers. The VIC is a dual-port 10 Gigabit Ethernet PCIe adapter that can support up to 256 PCIe standards-compliant virtual interfaces, which can be dynamically configured so that both their interface type (network interface card [NIC] or host bus adapter [HBA]) and identity (MAC address and worldwide name [WWN]) are established using just-in-time provisioning. In addition, the Cisco UCS VIC 1225 can support network interface virtualization and Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology.

## Main specifications:

### Processor

Processor frequency:	2.2 GHz
Processor family:	Intel Xeon E5 v2
Processor model:	E5-2660V2
Processor cores:	10
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	25 MB
System bus rate:	8 GT/s
Processor manufacturer:	Intel
Processor socket:	LGA 2011 (Socket R)
Processor boost frequency:	3 GHz

Processor lithography:	22 nm
Processor threads:	20
Processor operating modes:	64-bit
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Ivy Bridge EP
Tcase:	75 °C
Maximum internal memory supported by processor:	768 GB
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	800,1066,1333,1600,1866 MHz
Memory bandwidth supported by processor (max):	59.7 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
Scalability:	2S
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	95 W
Processor series:	Intel Xeon E5-2600 v2
Conflict Free processor:	N

#### Memory

Internal memory:	32 GB
Internal memory type:	DDR3-SDRAM
Memory slots:	16
Memory clock speed:	1866 MHz
ECC:	Y
Memory layout (slots x size):	2 x 16 GB

#### Storage

RAID support:	Y
Maximum storage capacity:	8 TB
RAID levels:	0,1,5,6,10,50,60
Hot-Plug support:	Y
Number of hard drives supported:	8
Supported hard disk drive sizes:	2.5,3.5 "
Hot-swap:	Y
Supported storage drive interfaces:	SAS,Serial ATA
Card reader integrated:	Y
Compatible memory cards:	SD

#### Networking

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

#### Ports & interfaces

USB 2.0 ports quantity:	2
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	3
Serial ports quantity:	1
KVM switch ports quantity:	1

#### Expansion slots

PCI Express x8 (Gen 3.x) slots:	1
PCI Express x16 (Gen 3.x) slots:	1
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  
Trusted Platform Module (TPM): Y  
Integrated BMC with IPMI: Y

#### Processor special features

Intelligent Platform Management Interface (IPMI) support:  
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: 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® 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 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: 75272

#### Power

Redundant power supply (RPS) support: Y  
Power supply: 650 W  
Number of main power supplies: 2

#### Operational conditions

Operating temperature (T-T): 0 - 40 °C  
Storage temperature (T-T): -40 - 70 °C  
Operating relative humidity (H-H): 10 - 90 %  
Storage relative humidity (H-H): 5 - 93 %  
Operating altitude: 0 - 3000 m  
Non-operating altitude: 3000 - 12000 m

#### Certificates

Safety: UL 60950-1 No. 21CFR1040 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, IEC 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1, GB4943 2001

#### Weight & dimensions

Width: 430 mm  
Depth: 724 mm  
Height: 43.2 mm

#### Other features

Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

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