

Cisco UCS-EZ7-B200-EP server (UCS-EZ7-B200-EP)

2 x Intel Xeon E5-2620 v2, 64 GB DDR3, no HDD, UCS 2.5" HDD blanking panel, CPU Heat Sink, Cisco UCS VIC 1240 40Gb



Price details:

Price excl. VAT: 2,945.99 €

Eco fees: 0.00 €

VAT 21 %: 618.66 €

Product details:

Product code: UCS-EZ7-B200-EP

EAN: 0882658668838

Manufacturer: Cisco

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3,564.65 €

* VAT included

The Cisco® Unified Computing System (Cisco UCS) combines Cisco UCS B-Series Blade Servers and C-Series Rack Servers with networking and storage access in a single converged system that simplifies management and delivers greater cost efficiency and agility with increased visibility and control. The Cisco UCS B200 M3 Blade Server delivers performance, versatility, and density without compromise. It addresses the broadest set of workloads, from IT and web infrastructure, through distributed database. The enterprise-class Cisco UCS B200 M3 Blade Server further extends the capabilities of the Cisco UCS portfolio in a half-width blade form factor. The Cisco UCS B200 M3 harnesses the power of the latest Intel® Xeon® processor E5-2600 and E5-2600 v2 product families, with up to 768 GB of RAM (using 32-GB DIMMs), two disk drives, and up to dual 4x 10 Gigabit Ethernet throughput. In addition, Cisco UCS has the architectural advantage of not having to power and cool excess switches in each blade chassis. With a larger power budget per blade server, Cisco can design uncompromised expandability and capabilities in its blade servers, as evidenced by the new Cisco UCS B200 M3, with its leading memory slot and drive capacity.

The Cisco UCS B200 M3 provides:

- One or two, multi-core, Intel® Xeon® processor E5-2600 and E5-2600 v2 product families CPUs, for up to 24 processing cores
- 24 DIMM slots for industry-standard double-data-rate 3 (DDR3) memory running up to 1866 MHz and up to 768 GB of total memory (using 32-GB DIMMs)
- Two optional, hot-pluggable SAS or SATA hard disk drives (HDDs) or solid-state drives (SSDs)
- Industry-leading 80 Gbps throughput bandwidth
- Remote management through a Cisco Integrated Management Controller (CIMC) that implements policy established in Cisco UCS Manager
- Out-of-band access by remote keyboard, video, and mouse (KVM) device, Secure Shell (SSH) Protocol, and virtual media (vMedia) as well as the Intelligent Platform Management Interface (IPMI)

In addition, the Cisco UCS B200 M3 is a half-width blade (Figure 1). Up to eight of these high-density, two-socket blade servers can reside in the 6RU Cisco UCS 5108 Blade Server Chassis, offering one of the highest densities of servers per rack unit in the industry.

Another Cisco innovation, the Cisco UCS Virtual Interface Card (VIC) 1240 is a 4-port 10 Gigabit Ethernet, Fibre Channel over Ethernet (FCoE)-capable modular LAN on motherboard (LOM) designed exclusively for the M3 generation of Cisco UCS B-Series Blade Servers. When used in combination with an optional I/O expander, the Cisco UCS VIC 1240 capabilities can be expanded up to eight ports of 10 Gigabit Ethernet. The Cisco UCS VIC 1240 enables a policy-based, stateless, agile server infrastructure that can present up to 256 PCI Express (PCIe) standards-compliant interfaces to the host that can be dynamically configured as either network interface cards (NICs) or host bus adapters (HBAs). In addition, the Cisco UCS VIC 1240 supports Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology, which extends the Cisco UCS fabric interconnect ports to virtual machines, simplifying server virtualization deployment.

Main specifications:

Processor

Processor frequency:	2.1 GHz
Processor family:	Intel Xeon E5 v2
Processor model:	E5-2620V2
Processor cores:	6
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	15 MB
System bus rate:	7.2 GT/s
Processor manufacturer:	Intel
Processor socket:	LGA 2011 (Socket R)
Processor boost frequency:	2.6 GHz
Processor lithography:	22 nm
Processor threads:	12
Processor operating modes:	64-bit
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Ivy Bridge EP
Tcase:	71 °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 MHz
Memory bandwidth supported by processor (max):	51.2 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):	80 W
Processor series:	Intel Xeon E5-2600 v2
Conflict Free processor:	N

Memory

Internal memory:	64 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	768 GB
Memory slots:	24
Memory clock speed:	1866 MHz
ECC:	Y
Memory layout (slots x size):	8 x 8 GB

Storage

RAID support:	Y
Maximum storage capacity:	2 TB
RAID levels:	0,1
Hot-Plug support:	Y
Number of hard drives supported:	2
Supported hard disk drive sizes:	2.5 "
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)
Ethernet interface type:	10 Gigabit

Ports & interfaces

Ethernet LAN (RJ-45) ports:	4
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Expansion slots

PCI Express slots version:	3.0
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Design

Chassis type:	Blade
Optical drive type:	N
Rack mounting:	Y
Performance	
Operating system installed:	N
Display	
Built-in display:	N
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):	
Intel® Wireless Display (Intel® WiDi):	N
Intel Virtualization Technology for Directed I/O (VT-d):	
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Hyper Threading Technology (Intel® HT Technology):	
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):	
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):	
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:	75789
Power	
Redundant power supply (RPS) support:	N
Operational conditions	
Operating temperature (T-T):	10 - 35 °C
Storage temperature (T-T):	-40 - 65 °C
Operating relative humidity (H-H):	5 - 93 %
Storage relative humidity (H-H):	5 - 93 %
Operating altitude:	0 - 3000 m
Non-operating altitude:	3000 - 12000 m

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