

# Refurbished CISCO WMS-EZ-C460-800P Datasheet

CISCO > SERVERS-UNIFIED-COMPUTING

## Cisco UCS C-Series Rack Servers

Features and Benefits	
Feature	
Feature	Benefit
<b>High-capacity memory</b>	<p>Up to 2 TB of main memory using 16-GB DIMMs, or 256 GB of main memory with 4-GB DIMMs</p> <p>Substantially increased memory footprint, increasing performance and capacity for demanding virtualization and large-data-set standalone workloads</p> <p>Reduced number of servers and decreased licensing costs with higher virtual-to-physical consolidation ratios</p> <p>64 DIMM slots, offering a more cost-effective memory footprint because higher-density DIMMs can be replaced by less expensive, lower-density DIMMs</p>
<b>10-Gbps unified network fabric</b>	<p>Low-latency, lossless, 10-Gbps Ethernet and industry-standard Fibre Channel over Ethernet (FCoE) fabric options available</p> <p>Wire-once deployment model in which changing I/O configurations no longer means installing adapters and recabling racks and switches</p> <p>Fewer interface cards, cables, and upstream network ports to purchase, power, configure, and maintain</p>
<b>Virtualization optimization</b>	<p>Cisco VN-Link technology, P81E Virtual Interface Card, I/O virtualization, and Intel Xeon processor E7-4800 and E7-8800 product family, extending the network directly to virtual machines</p> <p>Consistent and scalable operating model</p> <p>Increased security and efficiency with reduced complexity</p>
<b>Unified management (when integrated into the Cisco Unified Computing System)</b>	<p>Entire solution managed as a single entity with Cisco UCS Manager, improving operation efficiency and flexibility</p> <p>Service profiles and templates that implement role- and policy-based management, enabling more effective use of skilled server, network, and storage administrators</p> <p>Automated provisioning and increased business agility, allowing data center managers to provision applications in minutes rather than days</p>
<b>Redundant, hot-swappable power supplies</b>	Increased availability
<b>Support for up to 10 PCIe 2.0 slots</b>	<p>Flexibility, increased performance, and compatibility with industry standards</p> <p>An additional, eleventh slot available to configure RAID support through optional LSI MegaRAID controller</p> <p>PCIe 2.0 slots, which double bandwidth over the previous generation and offer more flexibility while maintaining compatibility with PCIe 1.1</p>
<b>Multicore Intel Xeon processor E7-4800 and E7-8800 product family</b>	<p>New levels of processor scalability, memory, and I/O capacity to address IT's greatest and most critical ERP, customer relationship management (CRM), database, analytics, and virtualization challenges, with exceptional hardware and software support</p> <p>Top-of-the-line processors to deliver leading performance for mission-critical business solutions with outstanding economics that create new possibilities</p> <p>Advanced reliability features and new security features including Machine Check Architecture Recovery to automatically manage hardware errors and protect against malicious software attacks, maintaining data integrity and increasing the availability of mission-critical services</p> <p>Intelligent performance that automatically adapts to the diverse needs of a virtualized environment as well as the most computation-demanding standalone applications</p> <p>Intel Turbo Boost Technology and Intel Intelligent Power Technology, which adapt processor performance to application demands and intelligently scale energy use based on utilization, reducing costs while still delivering the performance required</p>
<b>Hot-swappable SAS, SATA or SSD drives</b>	<p>Up to 12 front-accessible, hot-swappable, SFF, SAS, SATA or SSD drives</p> <p>Support for 7,200 and 10,000-RPM drives that deliver both value and capacity</p> <p>Support for 15,000-RPM drives for utmost performance</p> <p>Capability to match storage characteristics to application requirements through the choice of high-capacity (500 GB) economical SATA drives or high-performance enterprise-class SAS drives (146, 300, 600 GB) and 100-GB SSD</p>
<b>RAID 0, 1, 5, 6, 10, 50, and 60 support</b>	A choice of two RAID controller options to provide data performance and protection for up to 12 SAS, SATA or SSD drives

<b>Cisco UCS Integrated Management Controller (IMC)</b>	Web user interface for server management, administration, and virtual media Virtual media support for remote KVM and CD/DVD drives as if local IPMI 2.0 support for OOB management through third-party enterprise management systems Command-line interface (CLI) for server management
<b>Integrated Dual Gigabit Ethernet</b>	Outstanding network I/O performance and increased network efficiency and flexibility Increased network availability when configured in failover configurations
<b>Optical drive</b>	Direct front-panel access to CD and DVD media

## Product Specifications

Item	
<b>Item</b>	<b>Specification</b>
<b>Processors</b>	2 or 4 multicore Intel Xeon processor E7-4800 and E7-8800 product family Choice of processors: Intel Xeon processor E7-4800 and E7-8800 product family
<b>Memory</b>	Up to 64 DIMM slots Support for DDR3 registered DIMMs Advanced error-correcting code (ECC) Mirroring option Double device data correction (DDDC)
<b>PCIe slots</b>	10 PCIe 2.0 slots available (total of 11 slots available: one is a dedicated SAS riser slot; Generation 2 x8): Slot 1: PCIe Gen2 x8, 3/4 length, hot plug Slot 2: PCIe Gen2 x8, 3/4 length, hot plug Slot 3: PCIe Gen2 x8 1/2 length Slot 4: PCIe Gen2 x4, 1/2 length Slot 5: PCIe Gen2 x16, 3/4 length Slot 6: PCIe Gen2 x8, 3/4 length, hot plug Slot 7: PCIe Gen2 x8, 3/4 length, hot plug Slot 8: PCIe Gen1x4, 3/4 length Slot 9: PCIe Gen1 x4, 1/2 length Slot 10: PCIe Gen2 x4, 1/2 length
<b>Hard drives</b>	Up to 12 front-accessible, hot-swappable, 2.5-inch SAS, SATA or SSD drives
<b>Hard disk options</b>	146-GB SAS; 15,000 RPM 300-GB SAS; and 10,000 RPM 600-GB SAS; and 10,000 RPM 500-GB SATA; 7200 RPM 1-TB SATA; 7200 RPM 100-GB SSD;
<b>Optical drive</b>	24x CD±R/RW DVD±R/RW optical drive
<b>Integrated graphics</b>	Matrox G200 core embedded into the ServerEngines Pilot-2 baseboard management controller (BMC)
<b>Cisco UCS IMC</b>	Integrated ServerEngines Pilot-2 BMC IPMI 2.0 compliant for management and control Two 10/100BASE-T OOB management interfaces CLI and WebGUI management tool for automated, lights-out management KVM
<b>Front-panel connector</b>	Ease of access to front-panel VGA video port and 3 USB ports
<b>Front-panel status LEDs</b>	5 LED status indicators: for the CPU, memory, power supply, and LAN status and the system ID
<b>Additional rear connectors</b>	Additional interfaces: VGA video port, serial port connector, and 2 USB 2.0 ports
<b>Physical dimensions (H x W x D)</b>	4RU: 6.84 x 16.7 x 27.7 in. (173.74 x 424.18 x 703.58 mm)
<b>Temperature: Operating</b>	50 to 95°F (10 to 35°C)
<b>Temperature: Nonoperating</b>	-40 to 158°F (-40 to 70°C)
<b>Humidity: Operating</b>	5 to 93% noncondensing
<b>Humidity Nonoperating</b>	95%, noncondensing at temperatures of 77 to 86°F (25 to 30°C)
<b>Altitude: Operating</b>	-100 to 5000 ft (-30 to 1500m)
<b>Altitude: Nonoperating</b>	40,000 ft (12,000m)

## Regulatory Standards Compliance: Safety and EMC

### Specification

<b>Safety</b>	UL60 950 CSA60 950 AS/NZS 3562 GB4943-1995 EN60 950 and 73/23/EEC IEC 60 950 EMKO-TSE (74-SEC) 207/94 GOST-R 50377-92
<b>EMC: Emissions</b>	Certified to FCC Class A; tested to CISPR 22 Class A, EN 55022 Class A and 89/336/EEC, VCCI Class A, AS/NZS 3548 Class A, ICES-003 Class A, GB9254-1998, MIC Notice 1997-42 Class A, and GOST-R 29216-91 Class A, BSMI CNS13438
<b>EMC: Immunity</b>	Verified to comply with EN55024, CISPR 24, GB9254-1998, MIC Notice 1997-41, and GOST-R 50628-95

## The next steps...

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