Cisco Systems
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San Jose

Publication History

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Cisco UCS C460 M4 High-Performance Rack-Mount Server

OVERVIEW

The Cisco UCS C460 M4 High-Performance Rack Server (*Figure 1*) is a four-rack-unit (4RU) server supporting the Intel Xeon E7-8800 v2/v3, E7-4800 v2/v3, or E7-2800 v2 (Ivy Bridge EX) series processor family CPUs,

DETAILED VIEWS

Chassis Front View

Figure 2 is a detailed front view of the Cisco UCS C460 M4 General-Purpose Rack Server.

Figure 2   **Chassis Front View**

1	Cooling fans (hot-swappable and accessible from the front panel)	7	Temperature status LED
2	Operations panel	8	Power supply status LED
3	Power button/LED	9	Network link activity LED
4	Identification button/LED	10	SAS/SATA drive bays 1–12 (hot-swappable)
5	System status LED	11	KVM console connector (used with a KVM cable that provides two USBs, one VGA, and one serial connector)[1]
6	Fan status LED	12	Pull-out asset tag

Notes . . .

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Video

The Cisco Integrated Management Controller (CIMC) provides video using the Matrox G200e video/graphics controller:

STEP 2 CHOOSE CPU(S)

The standard CPU features are:

■ Intel Xeon E7-8800 v2/v3, E7-4800 v2/v3, or E7-2800 v2 (Ivy Bridge EX) series processor family CPUs

■ Intel C602J chipset

■ Cache size of up to 37.5 MB for v2 CPUs and 45 MB for v3 CPUs

Choose CPUs

The available CPUs are listed in *Table 3*.

Table 3   Available CPUs: Intel Xeon E7-8800 v2/v3, E7-4800 v2/v3, E7-2800 v2 Family

STEP 3 CHOOSE MEMORY

The standard memory features are:

STEP 3 CHOOSE MEMORY

Figure 4 C460 M4 Memory Organization

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— **Memory Performance Mode**. In this mode, the main memory channel from the CPU

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UCSC-MRAID12G, plus
UCSC-MRAID12G-512

Cisco 12G SAS Modular 8-port RAID Controller (JBOD, RAID 0, 1, 5, 10, 50 supported)

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Table 13 Available External Drive Controller RAID Options *(continued)*

UCSC-SAS9300-8E   Cisco 12G SAS 9300-8e HBA for external JBOD attach

- Supports external JBOD using x4 and x8 wide SAS ports

NOTE: For Cisco 12G SAS 9300-8e HBA external drive enclosure support, see the enclosure section of the compatibility list at the following link:

http://tinyurl.com/pp83xyk

Customers should contact their storage vendor for technical support related to external JBOD enclosures.

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STEP 9   ORDER GPU CARDS and ACCESSORIES (OPTIONAL)

The GPU offerings are:

- GPU PCIe cards
- GPU power cables

Select GPU Options

The available GPU PCIe options are listed in *Table 21*

Table 21 Available PCIe Option Cards

STEP 13 ORDER OPTIONAL CABLE MANAGEMENT ARM

A cable management arm is available for the tool-less slide rage c1g6t (P 1 S CC-RAIL-4U). T

STEP 14 ORDER CISCO FLEXIBLE FLASH SD CARD MODULE (OPTIONAL)

STEP 15 ORDER USB DRIVE (OPTIONAL)

STEP 16 ORDER A TRUSTED PLATFORM MODULE

STEP 17 ORDER A BEZEL (OPTIONAL)

The bezel ordering information is listed in *Table 29*

Table 30   Trusted Platform Module

Product ID (PID)	PID Description
UCSC-BZL-EX	

SLES-2S-GC-5S   SUSE Linux GEO Clustering for HA (1-2 CPU); 5yr Support Reqd

SLES-SAP-2S2V-1A   SLES for SAP Applications (1-2 CPU,1 Phys); 1yr Support Reqd

SLES-SAP-2S2V-3A   SLES for SAP Applications (1-2 CPU,1 Phys); 3yr Support Reqd

SLES-SAP-2S2V-5A   SLES for SAP Applications (1-2 CPU,1 Phys); 5yr Support Reqd

SLES-SAP-2SUV-1A   SLES for SAP Applications (1-2 CPU,Unl Vrt);1yr Support Reqd

SLES-SAP-2SUV-3A   SLES for SAP Applications (1-2 CPU,Unl Vrt);3yr Support Reqd

SLES-SAP-2SUV-5A   SLES for SAP Applications (1-2 CPU,Unl Vrt);5yr Support Reqd

Nexus 1000V for Hyper-V and vSphere

N1K-VSG-UCS-BUN   Over half off N1K and VSG w/ purchase of UCS B/C Series

N1K-VLEM-UCS-1

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Table 42 DIMM Population Order for 4 CPUs and 8 Memory Risers

Table 43 DIMM Population Order for 2 CPUs and 4 Memory Risers

Installation Order	DIMM	CPU	Riser	Socket	Color

RACKS

The Cisco R42610 rack (see *Figure 9*) is certified for Cisco UCS installation at customer sites and is suitable for the following equipment:

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