



Cisco MCS 7815-I2 Unified CallManager Appliance

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The Cisco® Unified Communications system of voice and IP Communications products and applications helps organizations communicate more effectively—thereby helping them streamline business processes, reach the right resource the first time, and increase profitability. The Cisco Unified Communications portfolio is an integral part of the Cisco Business Communications Solution—an integrated solution for organizations of all sizes that also includes network infrastructure, security, and network management products; wireless connectivity; and a lifecycle services approach, along with flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

PRODUCT OVERVIEW

The Cisco MCS 7815-I2 Unified CallManager Appliance is an entry-level appliance for Cisco Unified CallManager 5.0 and is an integral part of a complete, scalable architecture for a new generation of high-quality IP Communications solutions for enterprise data networks. Delivering the high performance and availability that today's enterprise networks demand, the server appliance is easy to deploy and highly cost-effective. It is preinstalled with an operating system and the Cisco Unified CallManager 5.0 application. Fully operational upon startup, the server appliance requires entry of just a few configuration items such as IP address and domain. It includes the following features and components:

- Intel dual-core, Pentium D, 2.8-GHz (or higher) processor with an 800-MHz front side bus (FSB) and 1 MB of Layer 2 cache
- 2 GB of installed PC2-4200 memory, error correction code (ECC), Double Data Rate 2 (DDR2), synchronous dynamic RAM (SDRAM) standard; 8 GB maximum
- Single, integrated 10/100/1000BASE-T Gigabit Ethernet network-interface-card (NIC) port
- 80-GB serial-advanced-technology-attachment (SATA) hard disk drive
- No floppy diskette drive installed
- 400W autoranging, Power Factor Correction (PFC) power supply
- Tower form factor; 5 rack units (5RU) (8.5 in./21.6 cm high) if mounted in rack orientation using optional rack-mounting kit

PRODUCT SPECIFICATIONS

Table 1 gives specifications of the Cisco MCS 7815-I2 Unified CallManager Appliance.

Table 1. Specifications of Cisco MCS 7815-I2

Processor at Product Introduction	
Processor (CPU)	Intel D dual core
Processor internal clock speed	2.8 GHz
Layer 2 cache	1024 KB
Maximum processors	1

Processors installed	1 (with 2 cores)
Basic input/output system (BIOS) type	Flash
Memory	
Memory maximum	8 GB
Memory bus clock	533 MHz
Memory technology	PC2-4200 DDR2 SDRAM
Bit-error mitigation	Error checking and correction (ECC)
Total RAM slots	4
Memory installed	2 GB (2 x 1 GB)
Hard Disk	
Hard disk installed	80 GB
Hard disk RPM	7200
Hard disk I/O transfer rate	1.5 Gbps
Hard disk average seek time	9 ms
Hard disk controller	I/O controller hub (ICH) SATA controller on planar
Network Connectivity	
NIC	Single onboard 10/100/1000
Connector	One RJ-45 connector on rear of server
10BASE-T cable support	Category 3, 4, or 5 unshielded twisted-pair (UTP) (2 or 4 pair) up to 328 ft (100m)
100BASE-TX cable support	Category 5 UTP (2 pair) up to 328 ft (100m)
1000BASE-T cable support	Category 5 UTP, 5E UTP, or 6 UTP (2 pair) up to 328 ft (100m)
Interfaces	
Ethernet	1
Serial ports	2
Parallel ports	1
Universal serial bus (USB) 2.0 ports	4 (2 at front and 2 at back of chassis)
Keyboard ports	1 PS/2
Mouse ports	1 PS/2
Audio ports	None
Interface Card Slots	
Peripheral component interconnect (PCI) 2.2	2
PCI-X slots (64/100 MHz)	2
PCI-Express x8/x1	2
Security	
<ul style="list-style-type: none"> • Power-on password (secured boot) • A mechanical lock that allows the user to lock the system cover to prevent unauthorized personnel access to internal components of the server • Selectable boot device sequence • U-bolt tie-down security 	

Equipment Approvals and Safety

- FCC—Verified to comply with Part 15 of the Federal Communications Commission (FCC) Rules, Class B
- Canada Information Collection and Evaluation Standard (ICES)-003, issue 3, Class B
- UL/IEC 60950-1*
- CSA C22.2 No. 60950-1-03
- NOM-019*

Power

Maximum input power	400W
Autoranging AC mains input	Yes
PFC	Yes
Mains input frequency range	50 to 60 Hz
Input voltage low range	100 to 127 (nominal) VAC; 50–60 Hz; 8.0A (maximum)
Input voltage high range	200 to 240 (nominal) VAC; 50–60 Hz; 4.0A (maximum)
Input kVA approximate	<ul style="list-style-type: none">• 0.106 kVA minimum• 0.352 kVA maximum

Environmental

Air temperature—server on	50.0 to 95.0°F (10 to 35°C)
Air temperature—server off	–32 to 140°F (0 to 60.0°C)
Humidity—server on	8 to 80 percent
Maximum altitude	7000 ft (2133m)
BTU rating minimum	361 BTU per hour (106W)
BTU rating maximum	1201 BTU per hour (352W)
Sound emissions idle	5.0 bel
Sound emissions maximum	5.5 bel
Cooling system	2 fans installed

Dimensions

Form factor	Tower
Rack-mounting	5RU standard rack-mount with optional rack-mount kit ordered
Weight—maximum	45.8 lb (20.8 kg)
Height	17.25 in. (438.15 mm)
Width	8.5 in. (215.9 mm)
Depth	21.25 in. (539.75 mm)

* This server is certified by the respective UL and NOM agencies.

ORDERING INFORMATION

To order this product, visit the [Cisco Ordering Home Page](#) or visit <http://www.cisco.com/en/US/ordering/index.shtml>.

You may order the appliance in one of two ways. You can enter CALLMANAGER-5.0 into the Dynamic Configuration Tool on Cisco.com and view a list of Cisco MCS Unified CallManager Appliances and their associated licenses. You can also order the components individually using the following product part numbers:

- MCS7815I2-K9-CMA1
- LIC-CM5.0-7815-I2=
- KEY-CCM-ADMIN-K9= (order a minimum quantity of 2)
- DAT-USB-EXT-72= (optional external USB Digital Audio Tape [DAT] tape drive)
- DAT-USB-RM-72= (optional rack-mount USB DAT tape drive)
- DAT-USB-ADPT= (required if DAT-USB-EXT-72= or DAT-USB-RM-72= are used)

SERVER SPARES

To order spare servers, refer to Table 2.

Table 2. Ordering Information for Spare Server Appliance with Operating System and Cisco Unified CallManager 5.0

Application	Spare Part Number
Cisco Unified CallManager 5.0	MCS7815I2-K9-CMA1

FIELD-REPLACEABLE SPARES

To order spare parts for the servers, refer to Table 3.

Table 3. Ordering Information for Cisco MCS Unified CallManager Appliance Spare Parts

Spare Part Number	Description
MEM-7815-I2-2GB=	Spare 2 x 1-GB SDRAM dual in-line memory modules (DIMMs) for Cisco MCS 7815-I2 Unified CallManager Appliance
HDD-7815-I2-80=	Spare 80-GB SATA easy-swap hard disk drive
RAIL-7815-I2=	Rack-mounting rail kit for Cisco MCS 7815-I2
DAT-USB-EXT-72=	Spare external USB 36-/72-GB DAT drive
DAT-USB-RM-72=	Spare rack-mount USB 36-/73-GB DAT drive
DAT-USB-ADPT=(required for DAT-USB-EXT-72= or DAT-USB-RM-72=)	PCI-to-USB DAT adapter

IDENTIFYING CPU SPEED OF SERVER

As the Cisco MCS 7815-I2 matures and Intel replaces slower processors, the processor speeds will change. Table 4 provides the Cisco manufacturing part number shown on the chassis to help identify the processor speed of any individual server.

Table 4. Manufacturing Part Numbers by Processor Speed

Processor	Manufacturing Part Number Located on Server	Introduction
Intel dual-core, Pentium D, 2.8 GHz	74-4491-01	Initial production of server

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WARRANTY INFORMATION

Cisco offers a one-year limited hardware warranty on Cisco Media Convergence Servers. For terms and conditions of this warranty, refer to http://www.cisco.com/univercd/cc/td/doc/es_inpk/1y1cen_.htm.



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