



Cisco MCS 7815-I1 Unified CallManager Appliance

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The Cisco® Unified Communications system of voice and IP communications products and applications enables organizations to communicate more effectively—enabling them to streamline business processes, reach the right resource the first time and impact the top and bottom line. The Cisco Unified Communications portfolio is an integral part of the Cisco Business Communications Solution—an integrated solution for organizations of all sizes which 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 Media Convergence Server 7815-I1 (MCS-7815-I1) 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. It delivers the high performance and availability that today's enterprise networks demand and represents a turnkey solution that is easy to deploy and highly cost-effective. The server appliance is preinstalled with an operating system and the Cisco Unified CallManager 5.0 application. The server appliance is fully operational upon startup, requiring entry of just a few configuration items such as IP address and domain. It includes the following features and components:

- Intel 3.06GHz or higher processors with 800 MHz front side bus (FSB) and 1 MB Layer 2 cache
- PC3200 CL3 error correction code (ECC) Double Data Rate (DDR) synchronous dynamic RAM (SDRAM) standard; 4GB SDRAM maximum
- Integrated Serial Advanced Technology Attachment (SATA) Controller
- 80GB SATA hard disk drive
- Single gigabit Ethernet port

PRODUCT SPECIFICATIONS

Table 1 lists the product specifications for the Cisco MCS7815I1-K9-CM50.

Table 1. Product Specifications

Processor at Product Introduction	
Processor (CPU)	Intel Pentium 4
Processor Internal Clock Speed	3060MHz
Layer 2 Cache	1024KB
Maximum Processors	1
Processors Installed	1

Basic Input/Output System (BIOS) Type	Flash
Memory	
Memory Maximum	4GB
Memory Bus Clock	200MHz
Memory Technology	PC3200 DDR SDRAM
Total RAM Slots	4
Memory Installed	2GB
Hard Disk	
Hard Disk Installed	80GB SATA
Hard Disk RPM	7200
Hard Disk Average Seek Time	< 9 ms
Hard Disk Controller	I/O Controller Hub (ICH)-S SATA controller on motherboard
Hard Disk Type	Serial-ATA Easy Swap
Network Connectivity	
Network Interface Card (NIC)	Single onboard 10/100/1000
Connector	One RJ-45 connector on rear of server
10BASE-T Cable Support	Categories 3, 4, or 5 unshielded twisted-pair (UTP) (2 or 4 pair) up to 328 feet (100 meters)
100BASE-TX Cable Support	Category 5 UTP (2 pair) up to 328 feet (100 meters)
1000BASE-T Cable Support	Category 5 UTP, 5E UTP, 6 UTP (2 pair) up to 328 feet (100 meters)
Interfaces	
Serial Ports	2
Parallel Ports	1
Universal Serial Bus (USB) 2.0 Ports	4
Keyboard Ports	1 PS2
Mouse Ports	1 PS2
Audio Ports	None
Interface Card Slots	
Peripheral Component Interconnect (PCI) 2.2 Full Length Slots (32/33 MHz)	3
PCI-X Full Length Slots (64/66 MHz)	2
Security	
<ul style="list-style-type: none"> Power-on password Selectable boot device security U-Bolt tie-down security Flash erasable programmable read-only memory (EPROM) write protection security 	

Equipment Approvals and Safety

- FCC—Verified to comply with Part 15 of the Federal Communications Commission (FCC) Rules, Class A
- Canada Information Collection and Evaluation Standard (ICES)-003, issue 3, Class A
- Underwriters Laboratories 1950
- CSA C22.2 No. 950
- NOM-018

Power

Maximum Input Power	340W
Auto-Ranging AC Mains Input	Yes
Power Factor Correction (PFC)	Yes
Mains Input Frequency Range	50 to 60 Hz
Input Voltage Low Range	<ul style="list-style-type: none">• 90 VAC minimum• 137 VAC maximum
Input Voltage High Range	<ul style="list-style-type: none">• 180 VAC minimum• 265 VAC maximum
Input Kilovolt-Amperes (kVA) Approximate	<ul style="list-style-type: none">• 0.15 kVA minimum• 0.80 kVA maximum

Environmental

Air Temperature—Server On	50.0 to 95.0°F (10 to 35°C)
Air Temperature—Server Off	50 to 109.4°F (10 to 43°C)
Humidity—Server On	8 to 80 percent
Humidity—Server Off	5 to 95 percent
British Thermal Unit (BTU) Rating Minimum	341 BTU per hour
BTU Rating Maximum	1604 BTU per hour
Sound Emissions Idle	5.1 bel
Sound Emissions Maximum	5.3 bel
Cooling System	2 fans installed

Dimensions

Form Factor	Tower
Rack-Mounting	4U standard rack-mount with optional rack-mount kit ordered
Weight—Maximum	24.58 lb (11.15 kg)
Height	18.5 in. (455 mm)
Width	6.5 in. (165 mm)
Depth	17.25 in. (498 mm)

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 IDs:

- MCS7815I1-K9-CM50
- LIC-CM5.0-K9-7815-I1=
- KEY-CCM-ADMIN-K9= (order a minimum quantity of 2)

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	MCS7815I1-K9-CM50

FIELD REPLACEABLE SPARES

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

Table 3. Ordering Information for Server Appliance Spare Parts

Description	Spare Part Number
Spare 512 MB SDRAM Dual In-Line Memory Module (DIMM) for Cisco MCS 7815-I1 Server	MEM-7815-I1-512=
Spare 1GB SDRAM Dual In-Line Memory Module (DIMM) for Cisco MCS 7815-I1 Server	MEM-7815-I1-1GB=
Spare 80 GB SATA Easy Swap Hard Disk Drive	HDD-7815-I1-80=
Rack-Mounting Rail Kit for Cisco MCS 7815-I1	RAIL-7815-I1=

IDENTIFYING CPU SPEED OF SERVER

As the Cisco MCS 7815I1-K9-CM50 matures and Intel replaces slower processors, the processor speeds will change. Table 4 provides the Cisco manufacturing part number that will be shown on the chassis to help identify any processor speed of any individual server appliance.

Table 4. Manufacturing Part Numbers by Processor Speed

Processor	Manufacturing Part Number Located on Server	Introduction
Intel Pentium 4 3.06GHz	74-4385-01	Initial production of server appliance

CISCO UNIFIED COMMUNICATIONS SERVICES AND SUPPORT

Using the Cisco Lifecycle Services approach, Cisco Systems® and its partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications system. These services are based on proven methodologies for deploying, operating, and optimizing IP communications solutions. Upfront planning and design services, for example, can help you meet aggressive deployment schedules and minimize network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support. Optimize services enhance solution performance for operational excellence. Cisco and its partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

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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