



Data Sheet

# Cisco MCS 7815-I2-UC1 Media Convergence Server

## PRODUCT OVERVIEW

The Cisco<sup>®</sup> MCS 7815-I2-UC1 Media Convergence Server is an entry-level server platform for Cisco Unity<sup>®</sup> Connection and is an integral part of a complete, scalable architecture for a new generation of high-quality IP voice solutions that run on enterprise data networks. It delivers the high performance and availability demanded by today's enterprise networks—and is easy to deploy and highly cost-effective. The server is preinstalled with an operating system optimized for running the Cisco Unity Connection application, and it offers the following features:

- Intel dual-core 2.8-GHz or higher processor with 800-MHz front side bus (FSB) and 1 MB of Layer 2 cache
- PC2-4200 2-GB error correction code (ECC) Double Data Rate (DDR) synchronous dynamic RAM (SDRAM) standard; 8-GB SDRAM maximum
- Integrated serial-advanced-technology-attachment (SATA) controller
- 80-GB SATA hard disk drive
- Single Gigabit Ethernet port

## SUPPORTED APPLICATIONS

The Cisco MCS 7815-I2-UC1 supports Cisco Unity Connection.

## PRODUCT SPECIFICATIONS

Table 1 lists the product specifications for the Cisco MCS 7815-I2-UC1.

**Table 1.** Product Specifications

<b>Processor at Product Introduction</b>	
Processor (CPU)	Intel D dual core
Processor internal clock speed	2.8 GHz
Layer 2 cache	1024 KB
Maximum processors	1
Processors installed	1
Basic input/output system (BIOS) type	Flash
<b>Memory</b>	
Memory maximum	8 GB
Memory bus clock	533 MHz
Memory technology	PC2-4200 DDR SDRAM
Total RAM slots	4
Memory installed	2 GB (2 x 1 GB)

<b>Hard Disk</b>	
Hard disk installed	80-GB SATA
Hard disk rotate processor module (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	SATA easy swap
<b>Network Connectivity</b>	
Network interface card (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)
<b>Interfaces</b>	
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
<b>Interface Card Slots</b>	
Peripheral component interconnect (PCI) 2.2	2
PCI-X slots (64/100 MHz)	2
PCI-Express x8/x1	2
<b>Security</b>	
<ul style="list-style-type: none"> <li>• Power-on password (secured boot)</li> <li>• A mechanical lock that allows the user to lock the system cover to prevent unauthorized personnel access to internal components of the server</li> <li>• Selectable boot device sequence</li> <li>• U-bolt tie-down security</li> </ul>	
<b>Equipment Approvals and Safety</b>	
<ul style="list-style-type: none"> <li>• FCC—Verified to comply with Part 15 of the Federal Communications Commission (FCC) Rules, Class B</li> <li>• Canada Information Collection and Evaluation Standard (ICES)-003, issue 3, Class B</li> <li>• UL/IEC 60950-1*</li> <li>• CSA C22.2 No. 60950-1-03</li> </ul>	
NOM-019*	
<b>Power</b>	
Maximum input power	400W
Autoranging AC mains input	Yes
Power Factor Correction (PFC)	Yes

Mains input frequency range	50 to 60 Hz
Input voltage low range	100 to 127 (nominal) VAC; 50–60 Hz; 8A (maximum)
Input voltage high range	200 to 240 (nominal) VAC; 50–60 Hz; 4A (maximum)
Input kVA approximate	<ul style="list-style-type: none"> <li>• 0.106 kVA minimum</li> <li>• 0.352 kVA maximum</li> </ul>
<b>Environmental</b>	
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%
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
<b>Dimensions</b>	
Form factor	Tower
Rack-mounting	4RU 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 place an order, visit the [Cisco Ordering Home Page](#).

**Table 2.** Ordering Information

Product Name	Part Number
Cisco Unity Connection	UNITYCN-BUNDLE

## SERVER SPARES

To order spare servers, refer to Table 3.

**Table 3.** Ordering Information for Spare Servers

Application	Spare Part Number
Cisco Unity Connection	MCS-7815-I2-UC1

## FIELD REPLACEABLE SPARES

To order spare parts for the servers, refer to Table 4.

**Table 4.** Ordering Information for Server Spare Parts

Description	Spare Part Number
Spare 2 x 1-GB SDRAM dual in-line memory modules (DIMM) for Cisco MCS 7815-I2 server	MEM-7815-I2-2GB=
Spare 80-GB SATA easy-swap hard disk drive	HDD-7815-I2-80=
Rack-mounting rail kit for Cisco MCS 7815-I2	RAIL-7815-I2=

## IDENTIFYING CPU SPEED OF SERVER

As the Cisco MCS 7815-I2-UC1 matures and Intel replaces slower processors, the processor speeds will change. Table 5 provides the Cisco manufacturing part number shown on the chassis to help identify the processor speed of any individual server.

**Table 5.** Manufacturing Part Numbers by Processor Speed

Processor	Manufacturing Part Number Located on Server	Introduction
Intel Pentium D dual-core 2.8 GHz	74-4498-01	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](http://www.cisco.com/univercd/cc/td/doc/es_inpk/1y1cen_.htm).

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