



Data Sheet

Cisco MCS 7815-I2-UC1 Media Convergence Server

PRODUCT OVERVIEW

The Cisco® MCS 7815-I2-UC1 Media Convergence Server is an entry-level server platform for Cisco Unity® 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

| 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 |
| Basic input/output system (BIOS) type | Flash |
| Memory | |
| 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) |

| Hard Disk | |
|--|---|
| 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 |
| Network Connectivity | |
| 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) |
| 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 | 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 | |
| <ul style="list-style-type: none"> • 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 |
| 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"> • 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% |
| 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 | 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.

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