



Data Sheet

Cisco MCS 7815-I2

THIS PRODUCT IS NO LONGER BEING SOLD AND MIGHT NOT BE SUPPORTED. READ THE END-OF-LIFE NOTICE TO LEARN ABOUT POTENTIAL REPLACEMENT PRODUCTS AND INFORMATION ABOUT PRODUCT SUPPORT.

PRODUCT OVERVIEW

The Cisco® Media Convergence Server 7815-I2 (MCS 7815-I2) is an entry-level server platform for Cisco IP Communications solutions. An integral part of a complete, scalable architecture for a new generation of high-quality IP voice solutions that run on enterprise data networks, the Cisco MCS 7815-I2 is an easily deployed, cost-effective solution that delivers the high performance and availability demanded by today's enterprise networks.

It offers the following features:

- 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 auto-ranging, 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

SUPPORTED APPLICATIONS

The Cisco MCS 7815-I2 supports the following Cisco Systems® applications:

- Cisco Unified CallManager—Up to 300 IP phones
- Cisco Emergency Responder—Up to 6000 IP phones
- Cisco Unified Contact Center Express
- Cisco Unified IP Interactive Voice Response (IP IVR)
- Cisco Unified IP Queue Manager
- Cisco Unity® Unified Messaging—Up to 24 ports and 1000 mailboxes
- Cisco Unity Bridge—Up to 20 ports

KEY FEATURES AND BENEFITS

Performance

The Cisco MCS 7815-I2 is a robust, highly available server platform designed to support today's IP Communications applications. It uses a single Intel dual-core Pentium D, 2.8-GHz processor with an 800-MHz FSB.

Serviceability

Serviceable SATA Disk Drives

The Cisco MCS 7815-I2 is configured with one 80-GB SATA "cold-pluggable" disk drive, which is accessible to the end user through openings in the front bezel of the server. If a drive fails, the end user can schedule server downtime, power down the server, and replace the failed SATA drive

by simply removing it (each drive is equipped with a front latch that positively mates the drive to the server) and replacing it with an unconfigured spare drive.

DAT Tape Drive Support

The Cisco MCS 7815-I2 can support a 36-/72-GB universal-serial-bus (USB) external Digital Audio Tape (DAT) drive (part number DAT-USB-EXT-72=) or an optional 36-/72-GB USB rack-mount DAT drive (part number DAT-USB-RM-72=). This tape drive connects through one of the USB 2.0 ports provided by the Cisco MCS 7815-I2 server.

PRODUCT SPECIFICATIONS

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

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
Hard disk type	SATA
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
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	
<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
PFC	Yes
Main 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 place an order, visit the [Cisco Ordering Home Page](#) and refer to Table 2.

Table 2. Ordering Information

Product Name	Part Number
Cisco CallManager 3.3	CALLMANAGER-3.3
Cisco Unified CallManager 4.1	CALLMANAGER-4.1
Cisco Unified CallManager 4.2	CALLMANAGER-4.2
Cisco Emergency Responder	Refer to product data sheet
Cisco Unified Contact Center Express	<ul style="list-style-type: none"> • IPCX-40-STANDARD • IPCX-40-ENHANCED • IPCX-40-PREMIUM • UCCX-45-STANDARD • UCCX-45-ENHANCED • UCCX-45-PREMIUM
Cisco Unified IP IVR	IPIVR-3.5=
Cisco Personal Assistant	PASR-BUNDLE
Cisco Unity Unified Messaging	UNITY-BUNDLE

SERVER SPARES

To order spare servers, refer to Table 3.

Table 3. Ordering Information for Spare Servers by Application

Application	Spare Part Number
Cisco Unified CallManager	MCS-7815-I2-IPC1
Cisco Emergency Responder	MCS-7815-I2-IPC1
Cisco Unified Intelligent Contact Management Enterprise (admin workstation)	MCS-7815-I2-CCE1
Cisco Unified Intelligent Contact Management Hosted (admin workstation)	MCS-7815-I2-CCE1
Cisco Unified Contact Center Enterprise (admin workstation)	MCS-7815-I2-CCE1
Cisco Unified Contact Center Hosted (admin workstation)	MCS-7815-I2-CCE1
Cisco Unified Contact Center Express	MCS-7815-I2-CCX1
Cisco Unified IP IVR	MCS-7815-I2-CCX1
Cisco Personal Assistant	MCS-7815-I2-IPC1
Cisco Unified IP Queue Manager	MCS-7815-I2-CCX1
Cisco Unity Unified Messaging	MCS-7815-I2-ECS1

FIELD-REPLACEABLE SPARES

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

Table 4. Ordering Information for Server 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 server
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

IDENTIFYING SERVER CPU SPEED

As the Cisco MCS 7815-I2 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 dual-core, Pentium D, 2.8 GHz	74-4484-01	Initial production of server



SERVICE AND SUPPORT

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you protect your network investment, optimize network operations, and prepare your network for new applications to extend network intelligence and the power of your business. For more information about Cisco services, refer to [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

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/1ylcen_.htm.



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