



DATA SHEET

CISCO MEDIA CONVERGENCE SERVER 7815-I1

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PRODUCT OVERVIEW

The Cisco® Media Convergence Server 7815-I1 (MCS 7815-I1) is an entry level server platform for Cisco IP Communications solutions. The Cisco MCS 7815-I1 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. Cisco MCS 7815-I1 delivers the high performance and availability demanded by today's enterprise networks and represents a turnkey solution that is easy to deploy and highly cost-effective. The following points are an outline of the features of Cisco MCS 7815-I1:

- 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

FLEXIBILITY

The Cisco MCS 7815-I1 can run any of the following Cisco Systems® applications:

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

PRODUCT SPECIFICATIONS

Table 1 lists the product specifications for the Cisco MCS 7815-I1.

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	1GB (2x512) MCS-7815-I1-ECS1
2GB (2x1GB) MCS-7815-I1-IPC3	
2GB (2x1GB) MCS-7815-I1-CC2	

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

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	90 VAC minimum 137 VAC maximum
Input voltage high range	180 VAC minimum 265 VAC maximum
Input Kilovolt-Amperes (kVA) approximate	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 place an order, visit the [Cisco Ordering Home Page](#).

Table 2. Ordering Information

Product Name	Part Number
Cisco CallManager 3.3	CallManager-3.3
Cisco CallManager 4.0	CallManager -4.0
Cisco CallManager 4.1	CallManager -4.1
Cisco Emergency Responder	CER-1.2
Cisco IP Contact Center (IPCC) Express	PCX-3.Y-STANDARD, PCX-3.Y-ENHANCED, PCX-3.Y-PREMIUM
Cisco IP Interactive Voice Response (IVR)	IPIVR-3.5=
Cisco Personal Assistant	PASR-BUNDLE
Cisco Unity	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 CallManager	MCS-7815-I1-IPC3
Cisco Emergency Responder	MCS-7815-I1-IPC3
Cisco IPCC Express	MCS-7815-I1-CC2
Cisco IP IVR	MCS-7815-I1-CC2
Cisco Personal Assistant	MCS-7815-I1-IPC3
Cisco Unity	MCS-7815-I1-ECS1

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 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 7815-I1 matures and Intel replaces slower processors, the processor speeds will change. Table 5 provides the Cisco manufacturing part number that will be shown on the chassis to help identify any processor speed of any individual server.

Table 5. Manufacturing Part Numbers by Processor Speed

Processor	Manufacturing Part Number Located on Server	Introduction
Intel Pentium 4 3.06GHz	74-3526-01	Initial production of server MCS-7815-I1-CC1 MCS-7815-I1-IPC1 MCS-7815-I1-IPC2 MCS-7815-I1-ECS1
Intel Pentium 4 3.06GHz	74-4132-01	Increased memory server MCS-7815-I1-CC2 MCS-7815-I1-IPC3

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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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Cisco Systems, Inc.
San Jose, CA

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