

Cisco MCS 7816-I4 Unified Communications Manager Appliance

Cisco Unified Communications Solutions unify voice, video, data, and mobile applications on fixed and mobile networks enabling easy collaboration every time from any workspace.

Product Overview

The Cisco[®] MCS 7816-I4 Unified Communications Manager Appliance is an integral part of a complete entry-level architecture for a new generation of high-quality unified communications solutions that operate on enterprise data networks. This powerful platform delivers the high performance and availability that today's enterprise networks demand. The server appliance is preinstalled with an operating system and the Cisco Unified Communications Manager application. Cisco Unified Communications Manager is fully operational upon startup, requiring entry of just a few configuration variables such as IP address and domain.

Features and Benefits

Ease of Installation

The Cisco MCS 7816-I4 Unified Communications Manager Appliance is an entry-level appliance platform used for Cisco Unified 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 7816-I4 is an easily deployed, cost-effective solution. At only 1 rack unit (1RU) high, the Cisco MCS 7816-I4 offers tremendous power in a low-profile chassis that minimizes rack space.

DAT Tape Drive Support

The Cisco MCS 7816-I4 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 7816-I4 Unified Communications Manager Appliance and allows the system to back up the configuration database.

Product Specifications

Table 1 lists the product configuration, and Table 2 gives specifications.

Table 1. Cisco MCS 7816-I4 Configuration

Component	Value
Product part number	MCS7816I4-K9-CMC2
Preload	Cisco Unified Communications Manager 7.1
OS included	Yes
Processor	Single Intel Dual Core Xeon E8400 3.0-GHz 6M L2
Memory	2-GB (two 1-GB) PC2-5300 Error Checking and Correction (ECC) double data rate 2 (DDR2)
Hard disks	One 250-GB Serial Advanced Technology Attachment (SATA) 3.5-in. cold-swap drive
Remote management	IBM Remote Supervisor Adapter (RSA) II Slimline supported, but not included.

Table 2. Product Specifications

Processor	
Maximum processors	1
Processors installed	1
Basic input/output system (BIOS) type	Flash memory
Memory	
Memory maximum	8 GB
Memory interface mega transfers per second	667 MHz
Memory technology	PC2-5300 DDR2 synchronous dynamic RAM (SDRAM)
Bit-error mitigation	ECC
Total RAM slots	4
Hard Disk	
Hard disk bays	2
Hard disk revolutions per minute (rpm)	7200
Hard disk I/O transfer rate	3 GBps
Hard disk interface type	SATA
Redundant Array of Independent Disks (RAID)	N/A
Network Connectivity	
Ethernet network interface card (NIC)	2 onboard Broadcom NetXtreme 10/100/1000
Connector	2 RJ-45 connectors on back of server
10BASE-T cable support	EIA Category 3, 4, or 5 unshielded twisted-pair (UTP) (2 or 4 pair) up to 328 ft (100m)
100BASE-TX cable support	EIA Category 5 UTP (2 pair) up to 328 ft (100m)
1000BASE-T cable support	EIA Category 6 UTP (recommended), Category 5E UTP, 5 UTP (2 pair) up to 328 ft (100m)
Expansion Options	
PCI-* non-hot plug slots 133-MHz and 64-bit slots	1 PCI Express x4 low-profile 1/2-length slot 1 PCI Express x8 full-height 3/4-length slot
Interfaces	
Ethernet	2
Serial ports	1
USB 2.0 ports	4 (2 at front and 2 at back of chassis)
Security	
<ul style="list-style-type: none"> Power-on password, administrator password, unattended boot, selectable boot, and unattended start mode Secure remote power on or off with Intelligent Platform Management Interface (IPMI) 2.0 	

Power	
Rated input voltage specifications	100 to 127 VAC (low range) 200 to 240 VAC (high range)
Rated input frequency	50 to 60 Hz
Approximate input kilovolt amperes	Minimum: 0.102 kVA Maximum: 0.55 kVA
Steady-state power	351W
BTU rating	1024 BTU/hour
Operating ambient temperature range	50 to 95°F (10 to 35°C)
Nonoperating ambient temperature range	50 to 109.4°F (-10 to 43°C)
Operating relative humidity (noncondensing)	8 to 80%
Nonoperating relative humidity (noncondensing)	8 to 80%
Dimensions	
Form factor	Rack-mount 1RU
Rack-mounting	Standard 4-post rail kit (non-proprietary) (included)
Weight	28 lb (12.7 kg), base chassis
Height	1.75 in. (4.45 cm)
Width	17.3 in. (44.0 cm)
Depth	22 in. (55.9 cm)
Equipment Approvals and Safety	
<ul style="list-style-type: none"> • FCC - Verified to comply with Part 15 of the FCC Rules, Class A • ICES-003 Class A • AS/NZS CISPR22 Class A • CISPR22:2005 Class A • EN55022: 2006 Class A • EN55024: 1998 +A1:2001 + A2:2003 • IEC 61000-3-2:2000/EN 61000-3-2: 2000 • IEC 61000-3-3: 1995 + A1:2001/EN 61000-3-3: 1995 + A1:2001 • KN22 Class A (MIC Certification) • CNS13438 Class A (BSMI Certification) • GB9254 Class A (CCC Certification) • VCCI-03 Class A (VCCI Certification) • CSA C22.2 No. 60950-1-03 Information Technology Equipment-Safety-Part 1:General Requirements • UL 60950-1 Information Technology Equipment-Safety-Part 1:General Requirements • IEC 60950-1 Information Technology Equipment-Safety-Part 1:General Requirements + CB report covering national deviations for intended markets. • EN 60950-1:2001, A11:2004 First Edition • CCC – China Certification for China Compulsory Product Certification • CE Mark (Low Voltage Directive 73/23/EEC, EMC Directive 89/336 EEC) • NOM (Mexico Safety) • EN50082-1 (European Union Immunity) • SASO (Saudi Arabia Safety) • KN24 Immunity Series (MIC Certification) • WEEE 	

Ordering Information

Tables 3 through 5 give ordering information for the Cisco MCS 7816-I4.

Table 3. Ordering Information for Cisco MCS 7618-I4

Product Name	Part Number
Cisco Unified Communications Manager 7.1	UNIFIED-CM-7.1

Cisco Unified Communications Manager 6.1	UNIFIED-CM-6.1
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Table 4. Spare Server Ordering Information

Product Name	Part Number
Cisco MCS 7816-I4 for Cisco Unified Communications Manager 7.1	MCS7816I4-K9-CMC2
Cisco MCS 7816-I4 for Cisco Unified Communications Manager 6.1	MCS7816I4-K9-CMB2

Table 5. Spare Parts Ordering Information

Description	Spare Part Number
Spare Two 1024-MB SDRAM DIMM for Cisco MCS 7816-I4	MEM-7816-I4-2GB=
Spare 250-GB SATA drive for Cisco MCS 7816-I4	HDD-7816-I4-250=

Warranty Information

Cisco offers a 1-year limited hardware warranty on Cisco Media Convergence Servers. For terms and conditions of this warranty, refer to

http://www.cisco.com/en/US/docs/general/warranty/English/1Y1DEN_.html.

Cisco Unified Communications Services

Cisco Unified Communications Services allows you to accelerate cost savings and productivity gains associated with deploying a secure, resilient Cisco Unified Communications Solution. Delivered by Cisco and our certified partners, our portfolio of services is based on proven methodologies for unifying voice, video, data, and mobile applications on fixed and mobile networks. Our unique lifecycle approach to services can enhance your technology experience to accelerate true business advantage.



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