

Cisco MCS 7825-H4 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 7825-H4 Unified Communications Manager Appliance is an integral part of a complete, scalable architecture for a new generation of high-quality unified communications solutions that operate on enterprise data networks. A solution that is easy to deploy and highly cost-effective, 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 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 7825-H4 Unified Communications Manager Appliance is a high availability 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 7825-H4 is an easily deployed, cost-effective solution. At only 1 rack unit (1RU) high, the Cisco MCS 7825-H4 offers tremendous power in a low-profile chassis that minimizes rack space while providing drive redundancy for higher availability.

DAT Tape Drive Support

The Cisco MCS 7825-H4 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 7825-H4 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 product specifications.

Table 1. Cisco MCS 7825-H4 Configuration

| Component | Value |
|---------------------|--|
| Product part number | MCS7825H4-K9-CMC2 |
| Preload | Cisco Unified Communications Manager 7.1 |
| OS included | Yes |
| Processor | Single Intel Dual Core Xeon E8400 3.0GHz 6M L2 |
| Memory | 2-GB (two 1-GB) PC2-6400 Error Checking and Correction (ECC) double-data-rate 2 (DDR2) |
| Hard disks | Two 250-GB Serial Advanced Technology Attachment (SATA) 3.5-in. cold-swap drives |

| | |
|--------------------------|--|
| Remote management | HP Integrated Lights Out (iLO) Advanced supported but license not provided |
|--------------------------|--|

Table 2. Detailed 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 | 800 MHz |
| Memory technology | PC2-6400 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 | 3.0 GBps |
| Hard disk interface type | SATA |
| Redundant Array of Independent Disks (RAID) | RAID 1 |
| Network Connectivity | |
| Ethernet network interface card (NIC) | 2 onboard 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 x8 low-profile half-length slot 1 PCI Express x8 full-length slot |
| Interfaces | |
| Ethernet | 2 |
| Serial ports | 1 |
| Universal-serial-bus (USB) 2.0 ports | 4 (2 at front and 2 at back of chassis) |
| Keyboard port | 1 PS/2 |
| Mouse port | 1 PS/2 |
| Security | |
| | <ul style="list-style-type: none"> • Power-on password • Keyboard password • USB port control • Removable optical drive assembly • Dedicated iLO2 port • Administrator's password |
| Power | |
| Rated input voltage specifications | 100 to 240 VAC |
| Rated input line | 90 to 264 VAC |

| | |
|--|--|
| Rated input frequency | 47 to 63 Hz |
| Rated input power | @ 115V input, Rated input power = 486W (assume Output wattage = 450W) @ 230V input, Rated input power = 479W (assume Output wattage = 450W) |
| Rated input current | 6 A (at 100 VAC) 3 A (at 200 VAC) |
| Steady-state power | 420W (rated) |
| BTU rating | 1836 BTU/hr (at 100 VAC) 1706 BTU/hr (at 200 VAC) |
| Operating ambient temperature range | 50 to 118°F (10 to 48°C) |
| Nonoperating ambient temperature range | -40 to 158°F (-40 to 70°C) |
| Operating relative humidity (noncondensing) | 55 to 85% |
| Nonoperating relative humidity (noncondensing) | 5 to 95% |
| Maximum wet-bulb temperature | 106.3°F (41.3°C) |
| Dimensions | |
| Form factor | Rack-mount 1RU |
| Rack-mounting | Standard 4-post rail kit (non-proprietary) (included) |
| Weight | 33.5 lb (15.2 kg), base chassis |
| Height | 1.7 in. (4.3 cm) |
| Width | 17.64 in. (44.8 cm) |
| Depth | 26.85 in. (68.19 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 7825-H4.

Table 3. Ordering Information

| Product Name | Part Number |
|--|----------------|
| Cisco Unified Communications Manager 7.1 | UNIFIED-CM-7.1 |
| Cisco Unified Communications Manager 6.1 | UNIFIED-CM-6.1 |

Table 4. Spare Appliance Ordering Information

| Product Name | Part Number |
|--|-------------------|
| Cisco MCS 7825-H4 for Cisco Unified Communications Manager 7.1 | MCS7825H4-K9-CMC2 |
| Cisco MCS 7825-H4 for Cisco Unified Communications Manager 6.1 | MCS7825H4-K9-CMB2 |

Table 5. Spare Parts Ordering Information

| Description | Spare Part Number |
|--|-------------------|
| Spare 1024-MB SDRAM DIMM for Cisco MCS 7825-H4 | MEM-7825-H4-1GB= |
| Spare 250-GB SATA drive for Cisco MCS 7825-H4 | HDD-7825-H4-250= |

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.



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

CCDE, CCSI, CCENT, Cisco Eos, Cisco HealthPresence, the Cisco logo, Cisco Lumin, Cisco Nexus, Cisco Nurse Connect, Cisco Stackpower, Cisco StadiumVision, Cisco TelePresence, Cisco WebEx, DCE, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn and Cisco Store are service marks; and Access Registrar, Aironet, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSF, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, EtherFast, EtherSwitch, Event Center, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, iQuick Study, IronPort, the IronPort logo, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerPanels, ProConnect, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0903R)