

## Cisco MCS 7890-C1 Unified Communications Manager Business Edition 3000 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.

**Figure 1.** Cisco MCS 7890-C1 Unified Communications Manager Business Edition 3000 Appliance



The Cisco MCS 7890-C1 Unified Communications Manager Business Edition 3000 Appliance is an easy-to-manage purpose built appliance that integrates the benefits of media processing (for voice calling and mobility) and digital circuit gateway functions on a single system (Figure 1). Consolidating these functions creates a cost-effective solution that is simple to set up, manage, and use, thereby lowering total cost of ownership (TCO) and providing a smooth migration from older, outdated telephony systems to IP communications. Designed for midmarket organizations with smaller IT staffs, the solution provides investment protection with the capacity to grow to up to 300 employees (400 endpoints) and 10 total sites (9 remote sites). The Cisco MCS 7890 comes preinstalled with the Cisco Unified Communications Manager Business Edition 3000 software, integrated dual T1/E1 public-switched-telephone-network (PSTN) interfaces, and an easy-to-use administration and provisioning interface.

### Features and Benefits

The Cisco MCS 7890 appliance inherits all the core features and functions of the Cisco Unified Communications Manager Business Edition 3000 application. Some of these core capabilities are highlighted here. For more information, please refer to Cisco Unified Communications Manager Business Edition 3000 Version 8.6 data sheet at: <http://www.cisco.com/en/US/products/ps11370/index.html>.

### Supported Cisco Applications

- Cisco Unified Communications Manager Business Edition 3000

### System Capacity and Features

Table 1 lists the system attributes and capacities supported by the Cisco MCS 7890 appliance.

**Table 1.**

Attribute	Capacity
Processor	D510 Dual Core 1.66-GHz (667-MHz FSB, 1024-KB Layer 2 cache)
Memory included	4.0 GB (667 or 800 MHz, PC2-6400, NON-ECC, CL6, DDR2 SDRAM; KINGSTON KVR800D2N6/2G)
Maximum memory	4 GB
Hard disk capacity	One 160-GB disk
Hard disk interface type	Serial Attached Technology Attachment (SATA)
Hard disk spindle speed	7200 rpm
Hard disk seek time	13 ms

Attribute	Capacity
Hard disk latency	4.2 ms
Data-transfer rate	3.0 Gbps maximum
Hard disk form size	2.5 in. (6.35 cm)
Network interface card	One 10/100/1000
Digital-signal-processor (DSP) module	1 Texas Instruments TNET2685
Maximum number of users and devices	300 users (400 endpoints or devices)
Total number of sites supported	10
Number of remote sites	9 (centralized call processing)
Maximum number of digital trunks	2 integrated E1/T1 ports on system
Telephony protocols or standards	T-1/E-1 PRI, T1 CAS
Mounting mechanism	Wall- and rack-mounted unit
Music-on-hold (MoH) port	Supported (external audio source)
Preload	Yes
OS included	Red Hat 5.5
Basic input/output system (BIOS) type	Flash
Simple swap bays	1 hard disk drive (HDD) in a non-open bay module
Redundant Array of Independent Disks (RAID) controller model	None
Serial ports	1 rear
Parallel ports	0
USB 2.0 ports	2 rear
Video Graphics Array (VGA) ports	1 rear
Dimensions (H x W x D)	2.77 x 14.15 x 10.87 in. (70.4 x 359.4 x 276.15 mm)
Weight (maximum)	7.72 lb (3.5 kg)
Input requirements*	Rated line voltage: 100-127 VAC; 50 or 60 Hz
	Input current: 0.56A
	Leakage current: 0.25 mA
	Power: 54W
	VA rating (VA): 56
	BTU rating (BTU/hr): 184
	Rated line voltage: 200-240 VAC; 50 or 60 Hz
	Input current: 0.29A
	Leakage current: 0.55 mA
	Power: 56W
	VA rating (VA): 59
	BTU rating (BTU/hr): 191
Power-supply output power	Rated steady-state power
Temperature range	Operating: 32 to 104°F (0 to 40°C)
	Non operating: -13 to 158°F (-25 to 70°C)
Relative humidity (RH; noncondensing)	Shipment: 5 to ~95%
Acoustic noise	44 dBA (maximum) for temperatures <90°F (32.2°C), 55 dBA (maximum) at maximum fan speed

Attribute	Capacity
Airflow (cubic feet per minute [cfm])	26.4 cfm (by thermal simulation result)
Fan speed/duty cycle	3835 rpm/25% 4687 rpm/50% 6026 rpm/75% 7031 rpm/100%

### User and Administrator Features

For more details about user and administrator features, please refer to the Cisco Unified Communications Manager Business Edition 3000 Version 8.6 data sheet: <http://www.cisco.com/en/US/products/ps11370/index.html>.

For more information about Cisco's complete solution offering for small and medium-sized businesses, please visit: <http://www.cisco.com/go/smb>.

**Table 2.** Equipment Approvals and Safety

Equipment Approvals and Safety
<ul style="list-style-type: none"> <li>• FCC - Verified to comply with Part 15 of the FCC Rules, Class A</li> <li>• ICES-003 Class A</li> <li>• AS/NZS CISPR22 Class A</li> <li>• CISPR22 Class A</li> <li>• CISPR24 Class A</li> <li>• EN55022 Class A</li> <li>• EN55024</li> <li>• IEC 61000-3-2</li> <li>• IEC 61000-3-3</li> <li>• KN22 Class A</li> <li>• CNS13438 Class A</li> <li>• GB9254 Class A</li> <li>• GB4943</li> <li>• VCCI-03 Class A</li> <li>• CAN/CSA C22.2 No. 60950-1-07</li> <li>• UL 60950-1 2<sup>nd</sup> Edition</li> <li>• IEC/EN 60950-1 2<sup>nd</sup> Edition</li> <li>• CE Mark (Low Voltage Directive 2006/95/EC, EMC Directive 2004/108/EC)</li> <li>• KN24</li> </ul>

### Ordering Information

Please refer to the Cisco Unified Business Edition 3000 ordering guide for Cisco MCS 7890-C1 ordering information.

### 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](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 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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