



Cisco Unity Connection 9.x Supported Platforms List

Revised February 26, 2013

This document provides information about the platforms supported for Cisco Unity Connection 9.x, including those shipped by Cisco and those provided by customers.

The Connection installation application prevents installation on servers that do not meet the exact specifications or models listed in this document.

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Platform Overlays for Cisco Unity Connection 9.x

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Platforms supported for use with Connection 9.x are divided into two categories:

- Platforms supported for use in a virtual configuration. [Table 1, “Specifications for Virtual Platform Overlays for Currently Shipping Connection 9.x Servers,”](#) lists the virtualization specifications, and the user and port limits when you install Connection 9.x on a virtual machine.
- Platforms supported for use in a physical configuration. [Table 2, “Specifications for Virtual Platform Overlays for Currently Shipping Connection 9.x Servers,”](#) lists the specifications, and the user and port limits for the platforms that are supported for use in a physical configuration for Connection 9.x.

For additional specifications and support limits on each platform, see the applicable section:

- [Number of Voice Ports Supported with Connection Platforms, page 10](#)—Describes platforms that are supported for use in virtual configurations and platforms that are supported for use in physical configurations.
- [Specifications for Previously Shipped Platforms Supported for Cisco Unity Connection 9.x, page 21](#)—Describes only platforms that are supported for use in physical configurations.



Note

Cisco Unity Connection 9.x is not preinstalled on any platform.

Cisco ships Cisco Unified Communications Manager Business Edition (CMBE) platforms with the operating system, Connection, and Cisco Unified Communications Manager. For specifications and support limits for the Cisco Unified CMBE platforms, see the applicable data sheet at http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheets_list.html.



Note

Although previously shipped HP platforms are still supported for use with Connection, no HP platforms are available for purchase from Cisco. For more information about HP server configurations, see the “HP Server Solutions” page at http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/product_solution_overview09186a0080107d79.html.

Specifications for Virtual Platform Overlays for Currently Shipping Connection 9.x Servers

Revised December 1, 2012

This section describes specifications and limits for Cisco Unity Connection 9.x installed on a virtual machine.

For information on system requirements for a virtual environment, see the “Requirements for Installing Cisco Unity Connection on a Virtual Machine” section in the *System Requirements for Cisco Unity Connection Release 9.x* at

http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/requirements/9xcucsysreqs.html.

Table 1 **Specifications for Virtual Platform Overlays for Currently Shipping Connection 9.x Servers**

	Virtual Platform Overlay for up to 100 Users	Virtual Platform Overlay for up to 1,000 Users	Virtual Platform Overlay for up to 5,000 Users	Virtual Platform Overlay for up to 10,000 Users	Virtual Platform Overlay for up to 20,000 Users
Platform / part number	See the Currently Shipping Blade Servers for Cisco Integrated Services Routers Generation 2 (ISR G2) , page 11	See the Currently Shipping Platforms for Virtual Configurations , page 14	See the Currently Shipping Platforms for Virtual Configurations , page 14	See the Currently Shipping Platforms for Virtual Configurations , page 14	See the Currently Shipping Platforms for Virtual Configurations , page 14
Minimum Connection Version	9.0(1), 9.1(1)	9.0(1), 9.1(1)	9.0(1), 9.1(1)	9.0(1), 9.1(1)	9.0(1), 9.1(1)
vCPU (Number of Virtual Processors)¹ Cores and Speed per Core²	<i>Connection 9.0(1) and later only: 1 @ a minimum of 2.0 GHz</i>	<i>Connection 9.0(1) and later only: 1 @ a minimum of 2.13 GHz (2.13 GHz reserved)</i>	<i>Connection 9.0(1) and later only: 2 @ a minimum of 2.53 GHz each (5.06 GHz reserved)</i>	<i>Connection 9.0(1) and later only: For Xeon 5600 and 7500 processors - minimum of 2.53 GHz each (5.06 GHz reserved) or For Xeon E7 processors - minimum of 2.4 GHz each (4.8 GHz reserved)</i>	<i>Connection 9.0(1) and later only: For Xeon 5600 and 7500 processors - minimum of 2.53 GHz each (10.12 GHz reserved) or For Xeon E7 processors - minimum of 2.4 GHz each (9.6 GHz reserved)</i>
vRAM (Amount of Virtual RAM)	4 GB	<i>Connection 9.0(1) and later only: 4 GB (4 GB reserved)</i>	<i>Connection 9.0(1) and later only: 6 GB (6 GB reserved)</i>	<i>Connection 9.0(1) and later only: 6 GB (6 GB reserved)</i>	<i>Connection 9.0(1) and later only: 8 GB (8 GB reserved)</i>
vDisk (Size of Virtual Hard Disks)	1 x 160GB	1 x 160GB, file system aligned at 64KB blocks	1 x 200 GB, file system aligned at 64KB blocks	Three .ova files available for up to 10,000 users: <ul style="list-style-type: none"> • 2 x 146 GB • 2 x 300 GB • 2 x 500 GB File system aligned at 64KB blocks	Two .ova files available for up to 20,000 users: <ul style="list-style-type: none"> • 2 x 300 GB • 2 x 500 GB File system aligned at 64KB blocks
Total number of available ports per virtual machine: Voice + TTS + Voice recognition	8 ³	24	100	150	250

Table 1 **Specifications for Virtual Platform Overlays for Currently Shipping Connection 9.x Servers (continued)**

	Virtual Platform Overlay for up to 100 Users	Virtual Platform Overlay for up to 1,000 Users	Virtual Platform Overlay for up to 5,000 Users	Virtual Platform Overlay for up to 10,000 Users	Virtual Platform Overlay for up to 20,000 Users
Total number of available ports for each virtual machine in a cluster	16	48	200	300	500
Total number of users with mailboxes	100 ⁴	1,000	5,000	10,000	20,000
Number of Cisco Personal Communications Assistant users	100	1,000	5,000	10,000	20,000
Total number of active clients: Cisco Unified Personal Communicator + Third-party IMAP + Cisco Unity conferencing + Cisco Unified Mobile Advantage + RSS + Phone View users (assumes all IMAP Idle clients; see the “IMAP Idle Clients” section on page 6)	0	1,000	5,000	10,000	20,000
Total number of LDAP Corporate Directory Users	100	1,000	5,000	10,000	20,000
Approximate message storage, G-711 codec, minutes	75,000	72,944	137,298	Depends on the .ova file: <ul style="list-style-type: none"> 2 x 146 GB: 252,831 2 x 300 GB: 514,287 2 x 500 GB: 919,992 	Depends on the .ova file: <ul style="list-style-type: none"> 2 x 300 GB: 514,287 2 x 500 GB: 919,992
Total number of Connection SRSV branches supported	0	5	10	10	10

1. At least one processor core must be available for the VMware hypervisor.
2. For Spec- based processor requirements, see http://docwiki.cisco.com/wiki/Specification-Based_Hardware_Support#Processor_Requirements.
3. For SRE-910 and UCS E blade, though you are allowed to create more than 8 ports on Cisco Unity Connection Administration, it is recommended to create a maximum of 8 ports to avoid performance issues.
4. The SRE-910 and UCS E blade support 100 users with voicemail only.

Specifications for Physical Platform Overlays for Currently Shipping Connection 9.x Servers

Revised December 1, 2012

This section describes specifications and limits for the physical server that is currently shipping in each platform overlay. See also the “[Memory and Hard Disk Requirements for Connection 9.x](#)” section on [page 8](#).

Table 2 **Specifications for Physical Platform Overlays for Currently Shipping Connection 9.x Servers**

	Platform Overlay 1	Platform Overlay 2	Platform Overlay 3
Platform / part number	<ul style="list-style-type: none"> MCS7825-I5-IPC1- .Note:This is a bare metal server and no software is installed. 	MCS7825I3-IPC1- Note:This is a bare metal server and no software is installed. Note that Connection 8.6 and later are not shipped on preloaded hardware from Cisco.	Server can be ordered from IBM. For more information :- http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/product_solution_overview0900aecd80091615.html
IBM model number	IBM x3250-M3	IBM x3650-M2 single processor	IBM x3650-M2 dual processor
HP model number	HP DL320-G5p single processor; HP part number: AT982A (Server not available from Cisco.)	HP DL380-G6 single processor; HP part number: AX692A (Server not available from Cisco.)	HP DL380-G6 dual processors; HP part number: AX693A (Server not available from Cisco.)
Number of processors	1	1	2
RAM	4 GB	Connection 9.0(1) and later only:6 GB	8 GB
Hard disks	Two 250-GB Serial Advanced Technology Attachment (SATA) 3.5-in. cold-swap drives; Redundant Array of Independent Disks 1 (RAID 1)	Two 300-GB single-attachment-station (SAS) 2.5-in. hot-swap hard disks; RAID 1	Four 300-GB SAS 2.5-in. hot-swap hard disks; 2 RAID 1s
Total number of available ports per server: voice + TTS + voice recognition)	48	150	250
Total number of available ports for each server in a cluster	96	300	500
Total number of users with mailboxes	2,000	4,000	20,000
Number of Cisco Personal Communications Assistant users	2,000	4,000	20,000

Table 2 **Specifications for Physical Platform Overlays for Currently Shipping Connection 9.x Servers (continued)**

	Platform Overlay 1	Platform Overlay 2	Platform Overlay 3
Total number of active clients: Cisco Unified Personal Communicator + third-party IMAP + Cisco Unity conferencing + Cisco Unified Mobile Advantage + RSS + Phone View users (assumes all IMAP Idle clients; see IMAP Idle Clients, page 6)	2,000	4,000	20,000
Total number of LDAP Corporate Directory Users	2,000	4,000	20,000
Total number of Connection SRSV branches supported	5	10	10

Additional Information Related to Platform-Overlay Specifications

- [Cisco Unity Connection Cluster, page 6](#)
- [IMAP Idle Clients, page 6](#)

Cisco Unity Connection Cluster

The Connection cluster feature provides high-availability voice messaging with two Connection servers that are configured in a cluster. In this configuration, also known as active-active high availability, a single node consists of two servers, and the number of ports depends on the server model (see [Table 2 on page 5](#)). The total number of node ports is additive (meaning a single node can support up to 500 ports in the case of platform overlay 3), but the total number of users supported is applicable only to the primary server. The primary and secondary servers in a cluster must match in CPU and amount of memory, or the configuration is not supported.

If the hard disk space does not match on the two servers that you are using for a cluster, the smaller amount of disk space determines the storage capacity for each server in the cluster. This also applies if you are using one physical server and one virtual machine for the cluster.

See also the “Requirements for a Cisco Unity Connection 9.x Cluster” section in *System Requirements for Cisco Unity Connection Release 9.x* at

http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/requirements/9xcucsysreqs.html.

IMAP Idle Clients

The calculations for the total number of active clients assume the use of IMAP clients that support IMAP Idle. Cisco Unified Personal Communicator 7.0 and earlier, Cisco Unified Mobility Advantage, and Cisco Unified Mobile Communicator do not support IMAP Idle. As a result, each active instance of each of these clients (that does not support IMAP Idle) that is accessing Connection voice messages counts as four active clients.

Configuring vCPU, vRAM, and vDisk for Cisco Unity Connection Virtual Machines

To simplify deployment of Connection on a virtual machine, Cisco provides OVA templates for the virtual platform overlays defined in [Table 1 on page 3](#).



Caution

Changing the number of virtual CPUs, the amount of virtual RAM, or the number or size of virtual disks is not supported.

In addition, the OVA templates align the file system on the virtual disk(s) in the virtual machine at 64-KB blocks, which results in improved storage input/output operations per second (IOPS).

For information on downloading the latest OVA files, see the “Installation and Upgrade Information” section in the applicable *Release Notes for Cisco Unity Connection* at http://www.cisco.com/en/US/products/ps6509/prod_release_notes_list.html.

For information on deploying an OVA file while installing a new Connection virtual server, see the “Overview of Mandatory Tasks for Installing a Cisco Unity Connection 9.x System” chapter of the *Installation Guide for Cisco Unity Connection Release 9.x* at http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/installation/guide/9xcucigx.html.

For information on deploying an OVA file while migrating from a physical server to a virtual server, see the “Migrating from a Cisco Unity Connection Physical Server to a Connection 9.x Virtual Server” chapter of the *Reconfiguration and Upgrade Guide for Cisco Unity Connection Release 9.x* at .

For information on deploying other Unified Communication applications on the same physical server with Connection, see the Unified Communications Virtualization wiki at http://docwiki-dev.cisco.com/wiki/Unified_Communications_Virtualization.

Additional Platform Information

- [Replacing a Connection Server as You Upgrade to Connection 9.x, page 7](#)
- [Memory and Hard Disk Requirements for Connection 9.x, page 8](#)
- [Platforms Qualified for Use with Cisco Unity Connection, page 8](#)

Replacing a Connection Server as You Upgrade to Connection 9.x

If you are replacing the Connection server and the server is currently running Connection 7.1(2) or earlier, you will also need Connection 7.1(3) software:

- Some older servers are not supported for use with Connection 9.x, and an attempt to install or upgrade to Connection 9.x on these older servers will fail. This means that you cannot upgrade to Connection 9.x on both the old server and the new server and use the Disaster Recovery System to move data to the new server.
- Connection 7.1(2) and earlier does not include the drivers required by the new servers. This means you cannot install Connection 7.1(2) or earlier on a new server, move data to the new server by using the Disaster Recovery System, and then upgrade the new server to Connection 9.x.

For more information on replacing a Connection server as you upgrade to Connection 9.x, see the applicable chapter in the *Reconfiguration and Upgrade Guide for Cisco Unity Connection Release 9.x* at http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/upgrade/guide/9xcucrux.html.

Memory and Hard Disk Requirements for Connection 9.x

You must add memory, or replace or remove hard disks for some MCS platforms in some configurations.

Table 3 Platform Memory and Hard Disk Requirements for Connection 9.x

Platform	Memory Requirement for Connection 9.x	Hard Disk Requirement for Connection 9.x
Cisco MCS 7825	All MCS 7825 servers must contain 4 GB of RAM.	All MCS 7825 servers must contain two hard disks that are the same size and that are at least 160 GB each.
Cisco MCS 7835	<i>Connection 9.0(1) and later only:</i> All MCS 7835 servers must contain 6 GB of RAM.	All MCS 7835 servers must contain two hard disks that are the same size and that are at least 146 GB each.
Cisco MCS 7845	<i>Connection 9.0(1) and later only:</i> All MCS 7845 servers must contain 6 GB of RAM.	All MCS 7845 servers must contain four hard disks that are the same size and that are at least 146 GB each.

Platforms Qualified for Use with Cisco Unity Connection

Connection supports upgrades from some media convergence servers shipped for previous versions of Connection and Cisco Unity messaging. Table 16 through Table 29 outline the supported media convergence servers for Connection 9.x as well as hardware specifications, and, where applicable, required hardware changes for Connection 9.x to support the product. Where possible, Cisco product numbers are listed in the tables for hardware upgrades, as are original-equipment-manufacturer (OEM) product part numbers for direct sourcing of the equipment.

Connection 9.x does not support first-generation MCS models (-I1 or -H1) or their software-only models.

Platforms Supported for Use with Cisco Unity Connection 9.x

For detailed specifications on a platform, click the link in the “Manufacturer and Model” column.

Table 4 Platforms Supported for Use with Cisco Unity Connection 9.x

Manufacturer and Model	Currently Shipping	Platform Overlay	Supported for Use in a Virtual Environment
Cisco UCS-B200M2, page 14	Yes	All	Yes
Cisco UCS-B200M1-VCS1/N20-B 6620-1, page 21	No	All	Yes
Cisco UCS-C210M2, page 15	Yes	All	Yes

Table 4 Platforms Supported for Use with Cisco Unity Connection 9.x (continued)

Manufacturer and Model	Currently Shipping	Platform Overlay	Supported for Use in a Virtual Environment
Cisco UCS-B230M2/Cisco UCS-B230M2-VCDL1, page 16	Yes	All	Yes
Cisco UCS-B440M2/Cisco UCS-B440M2-VCDL1, page 17	Yes	All	Yes
Cisco UCS-C210M1-VCD1/R210-2 121605, page 22	No	All except virtual overlays for 20,000 users	Yes
Cisco UCS-C210M1-VCD2/R210-2 121605, page 23	No	All	Yes
Cisco UCS-C200M2, page 15	Yes	Virtual overlays for 500, 1,000 users	Yes
Cisco R210-2121605 (Fiber-Channel SAN Compatible), page 23	No	All	Yes
Cisco MCS 7825-I5 Media Convergence Servers (IBM), page 17	Yes	1	No
Currently Shipping Platform Overlay 2 Servers, page 18	Yes	1	No
Cisco MCS 7835-I3 Media Convergence Servers (IBM), page 18	Yes	2	No
Cisco MCS 7845-I3 Media Convergence Servers (IBM), page 20	Yes	3	No
Cisco MCS 7825-I3 Media Convergence Servers (IBM), page 25	No	1	No
Cisco MCS 7825-I3 Media Convergence Servers (IBM), page 25	No	1	No
Cisco MCS 7825-I4 Media Convergence Servers (IBM), page 26	No	1	No
Cisco MCS 7825-H3 Media Convergence Servers (HP), page 28	No	1	No
Cisco MCS 7825-H3 Media Convergence Servers (HP), page 28	No	1	No

Table 4 *Platforms Supported for Use with Cisco Unity Connection 9.x (continued)*

Manufacturer and Model	Currently Shipping	Platform Overlay	Supported for Use in a Virtual Environment
Cisco MCS 7825-H4 Media Convergence Servers (HP), page 29	No	1	No
Cisco MCS 7835-I2 Media Convergence Servers (IBM), page 31	No	2	No
Cisco MCS 7835-H2 Media Convergence Servers (HP), page 32	No	2	No
Cisco MCS 7845-I2 Media Convergence Servers (IBM), page 34	No	3	No
Cisco MCS 7845-H2 Media Convergence Servers (HP), page 36	No	3	No

Number of Voice Ports Supported with Connection Platforms

Revised February 26, 2013

The number of voice ports supported with Cisco Unity Connection depends upon the Connection platform specifications. Connection supports both physical and virtual platforms of different configurations. The following table specifies the number of ports supported with the virtual platforms.

Table 5 *Supported Voice Ports with Virtual Platforms*

Number of processors per Virtual Machine	RAM per Virtual Machine	Number of Voice Ports Supported per Virtual Machine	Number of Voice Ports Supported Per Cluster
1 vCPU	4 GB	24	48
2 vCPU	6 GB	100	200
4 vCPU	6 GB	150	300
7 vCPU	8 GB	250	500

The following table specifies the number of ports supported with the physical platforms.

Table 6 *Supported Voice Ports with Physical Platforms*

Feature	Number of Ports
Cisco MCS 7825-H3	48
Cisco MCS 7825-H4	48

Table 6 *Supported Voice Ports with Physical Platforms*

Feature	Number of Ports
Cisco MCS 7825-I3	48
Cisco MCS 7825-I4	48
Cisco MCS 7825-I5	48
Cisco MCS 7835-H2	96
Cisco MCS 7835-I2	96
Cisco MCS 7835-I3	150
Cisco MCS 7845-H2	144
Cisco MCS 7845-I2	144
Cisco MCS 7845-I3	250

Specifications for Currently Shipping Platforms Supported for Cisco Unity Connection 9.x

- [Currently Shipping Blade Servers for Cisco Integrated Services Routers Generation 2 \(ISR G2\), page 11](#)
- [Currently Shipping Platforms for Virtual Configurations, page 14](#)
- [Currently Shipping Platform Overlay 1 Servers, page 17](#)
- [Currently Shipping Platform Overlay 2 Servers, page 18](#)
- [Currently Shipping Platform Overlay 3 Servers, page 20](#)

Currently Shipping Blade Servers for Cisco Integrated Services Routers Generation 2 (ISR G2)

Added December 1, 2012

- [Cisco SRE-900 and SRE-910, page 11](#)
- [Cisco UCS E140S, page 12](#)
- For more information on UCS E-140S, refer to http://docwiki-dev.cisco.com/wiki/Cisco_Unity_Connection_on_UCSE., page 13

Cisco SRE-900 and SRE-910

Table 7 *Cisco SRE-900 and SRE-910 Platforms*

Feature	Description
Model numbers	SM-SRE-900-K9 SM-SRE-910-K9
Supplier	Cisco

Table 7 *Cisco SRE-900 and SRE-910 Platforms (continued)*

Feature	Description
Form factor	SM
Mounting	Rack-mount
Physical processor(s)	Intel Core2 Duo, 1.86 GHz
Physical RAM (as shipped)	4 GB (default) or 8 GB DRAMs
Physical hard disk	Two 500-GB SATA (1 TB in non-RAID mode) 5400 rpm (SRE 900) 7200 rpm (SRE 910)
RAID controller	SATA on board
RAID configuration	RAID 0 or 1 (application dependant)
Total available disk space	1 TB
Hardware reconfiguration required	None
More information	http://www.cisco.com/en/US/prod/collateral/module/ps10598/data_sheet_c78-553913.html

For more information on SRE-900 and SRE-910, refer to
http://docwiki-dev.cisco.com/wiki/Cisco_Unity_Connection_on_UCSE.

Cisco UCS E140S

Table 8 *Cisco UCS E140S Platforms*

Feature	Description
Model numbers	UCS E140S
Supplier	Cisco
Form factor	Single-wide Blade
Physical processor(s)	Intel® Xeon E3 1105 C 1.0GHz 25W quad-core processor
Physical RAM (as shipped)	8 GB (default: one 8-GB DIMM) and up to 16 GB (two 8-GB DIMMs)
Physical hard disk	Up to two: <ul style="list-style-type: none"> 7200-RPM SATA: 1 TB 10,000-RPM SAS: 900 GB 10,000-RPM SAS SED: 600 GB SAS SSD SLC: 200 GB
RAID controller	LSI MegaRAID controller
RAID configuration	<ul style="list-style-type: none"> Hardware RAID 0 and 1 LSI MegaRAID controller
Total available disk space	1 TB

Table 8 *Cisco UCS E140S Platforms (continued)*

Feature	Description
Hardware reconfiguration required	None
More information	http://www.cisco.com/en/US/prod/collateral/ps10265/ps12629/data_sheet_c78-705787.html

For more information on UCS E-140S, refer to
http://docwiki-dev.cisco.com/wiki/Cisco_Unity_Connection_on_UCSE.

Cisco UCS E140D, E140DP, E160D, and E160DP

Table 9 *Cisco UCS E140D, E140DP, E160D, and E160DP Platforms*

Feature	Description
Model numbers	UCS E140D, E140DP, E160D, E160DP
Supplier	Cisco
Form factor	Double-wide Blades
Physical processor(s)	Intel® Xeon® E5-2418L 2.0GHz quad core processor Intel® Xeon® E5-2428L 1.8GHz 6-core processor
Physical RAM (as shipped)	8 GB (default) and up to 48 GB (three 16-GB DIMMs)
Physical hard disk	Up to three (Cisco UCS E140D or E160D) or two (Cisco UCS E140DP or E160DP): <ul style="list-style-type: none"> 7200-RPM SATA: 1 TB 10,000-RPM SAS: 900 GB 10,000-RPM SAS SED: 600 GB SAS SSD SLC: 200 GB
RAID controller	LSI MegaRAID controller
RAID configuration	<ul style="list-style-type: none"> Cisco UCS E140D and E160D: Hardware RAID 0, 1, and 5 Cisco UCS E140DP and E160DP: Hardware RAID 0 and 1 LSI MegaRAID controller
Total available disk space	1 TB
Hardware reconfiguration required	None
More information	http://www.cisco.com/en/US/prod/collateral/ps10265/ps12629/data_sheet_c78-705787.html

For more information on UCS E-140D, E140DP, E160D, and E160DP, refer to
http://docwiki-dev.cisco.com/wiki/Cisco_Unity_Connection_on_UCSE.

Currently Shipping Platforms for Virtual Configurations

- [Cisco UCS-B200M2, page 14](#)
- [Cisco UCS-C210M2, page 15](#)
- [Cisco UCS-C200M2, page 15](#)
- [Cisco UCS-B230M2/Cisco UCS-B230M2-VCDL1, page 16](#)
- [Cisco UCS-B440M2/Cisco UCS-B440M2-VCDL1, page 17](#)

Cisco UCS-B200M2

Table 10 *Cisco UCS-B200M2 Platforms*

Feature	Description
Model numbers	VTG: UCS-B200M2 N20-86625-1
Supplier	Cisco
Form factor	Half blade
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5640 80W CPUs, 12 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	48 GB: 12 4GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Two 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
RAID controller	SATA on board
RAID configuration	RAID 1
Total available disk space	136 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10299/index.html

Cisco UCS-C210M2

Table 11 *Cisco UCS-C210M2 Platforms*

Feature	Description
Model numbers	VTG: UCS-C210M2 R210-2121605W
Supplier	Cisco
Form factor	2RU
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5640 80W CPUs, 12 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	24 GB: Six 4 GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	10 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
RAID controller	LSI 6G MegaRAID PCIe Card (RAID 0, 1, 5, 6, 10, 60) — 512WC
RAID configuration	2 drives in RAID 1 (VMware) 8 drives in RAID 5 (virtual machines)
Total available disk space	RAID 1 array: 136 GB RAID 5 array: 952 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10891/index.html

Cisco UCS-C200M2

Table 12 *Cisco UCS-C200M2 Platforms*

Feature	Description
Model numbers	VTG: UCS-C200M2 R200-1120402W
Supplier	Cisco
Form factor	1RU
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5506 80W CPUs, 4 MB cache, DDR3 800 MHz

Table 12 *Cisco UCS-C200M2 Platforms (continued)*

Feature	Description
Physical RAM (as shipped)	24 GB: Six 4 GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Two Gen 2 1 TB SAS 7.2K RPM
RAID controller	LSI 6G MegaRAID 9260-4i
RAID configuration	Not applicable
Total available disk space	Not applicable
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10516/index.html

Cisco UCS-B230M2/Cisco UCS-B230M2-VCDL1

Table 13 *Cisco UCS-B230M2/Cisco UCS-B230M2-VCDL1 Platforms*

Feature	Description
Model numbers	Bundled SKU- UCS-B230M2-VCDL1 Other - B230-BASE-M2UPG
Supplier	Cisco
Form factor	Half blade
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.4 GHz 10 core E7-2870 CPUs 130W 10C/30M Cache
Physical RAM (as shipped)	96 GB: 12 8GB DDR3-1333-MHz RDIMM/PC3-10600/dual rank/x4/1.35v
Physical hard disk	None
RAID controller	Not applicable
RAID configuration	None
Total available disk space	Not applicable
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps11583/index.html

Cisco UCS-B440M2/Cisco UCS-B440M2-VCDL1

Table 14 *Cisco UCS-B440M2/Cisco UCS-B440M2-VCDL1 Platforms*

Feature	Description
Model numbers	Bundled SKU- UCS-B440M2-VCDL1 Other - B440-BASE-M2UPG
Supplier	Cisco
Form factor	Full width blade
Mounting	Rack-mount
Physical processor(s)	Four Intel 2.4 GHZ 10 core E7-2870 CPUs 130W 10C/30M Cache
Physical RAM (as shipped)	256 GB: 16 1 6GB DDR3-1333MHz RDIMM/PC3-10600/2x8GB 2R Kit/Low Volt
Physical hard disk	None
RAID controller	Not applicable
RAID configuration	None
Total available disk space	Not applicable
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps11584/index.html

Currently Shipping Platform Overlay 1 Servers

- [Cisco MCS 7825-I5 Media Convergence Servers \(IBM\), page 17](#)
- [Currently Shipping Platform Overlay 2 Servers, page 18](#)

Cisco MCS 7825-I5 Media Convergence Servers (IBM)

Table 15 *Cisco MCS 7825-I5 Media Convergence Servers*

Feature	Description
Model numbers	<ul style="list-style-type: none"> • CiscoMCS7825-I5-IPC1 • IBMx3250-M2
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Rack-mount
Mounting	1 RU

Table 15 *Cisco MCS 7825-I5 Media Convergence Servers (continued)*

Feature	Description
Processor(s)	Intel Xeon 3400 Quad Core
RAM (as shipped)	4-GB (two 2-GB) PC2-5300 Error Checking and Correcting (ECC) double data rate 2 (DDR2)
Hard disk	Two 250-GB SATA 3.5-in. cold-swap drives
RAID controller	SATA on board
RAID configuration	RAID 1
Total available disk space	233 GB
Hardware reconfiguration required	All MCS 7825 servers must contain 4 GB of RAM.
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number 4144)
Tape drive	Optional
Power supply	Not redundant
Remote management	ILO
Total number of available ports (Voice + TTS + Voice recognition) per server	48
Total number of users with mailboxes	2,000
Number of Cisco Personal Communications Assistant users	2,000
Total number of LDAP corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	117,000
Field-replaceable spares part numbers	Memory: MEM-7825-I4-2GB= hard disk: HDD-7825-I4-250=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Currently Shipping Platform Overlay 2 Servers

- [Cisco MCS 7835-I3 Media Convergence Servers \(IBM\)](#), page 18

Cisco MCS 7835-I3 Media Convergence Servers (IBM)

Revised September 20, 2012

Table 16 **Cisco MCS 7835-I3 Media Convergence Servers**

Feature	Description
Model numbers	Cisco: <ul style="list-style-type: none"> • MCS7835I3-K9-UCC1 • MCS7835I3-K9-UCC2 • MCS7835I3-K9-UCB2 • MCS-7835-I3-ECS1 IBM x3650-M2
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Intel E5504 2.00-GHz; last level cache: 8 MB
RAM (as shipped)	6-GB (two 2-GB dual in-line memory module [DIMM]) PC3-10600 1333-MHz, fully buffered DDR-3 registered DIMM (RDIMM). The RAM (as shipped) needs some enhancement. Only 4-GB RAM is shipped with the server. Connection 9.0(1) and later require 6-GB RAM, therefore, add 2-GB RAM to the server (MEM-7835-I3-2GB=).
Hard disk	Two 300-GB SAS 2.5-in. hot-swap
RAID controller	IBM mezzanine ServeRAID MR10i controller
RAID configuration	RAID 1
Total available disk space	280 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	2
Remote management	IBM IMM with virtual media enabled
Total number of available ports (Voice + TTS + Voice recognition) per server	150
Total number of users with mailboxes	4,000
Number of Cisco Personal Communications Assistant users	4,000
Total number of LDAP corporate directory users	4,000
Approximate message storage, G-711 codec, minutes	242,078
Field-replaceable spares part numbers	Hard disk: HDD-7835-I3-300=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Currently Shipping Platform Overlay 3 Servers

- [Cisco MCS 7845-I3 Media Convergence Servers \(IBM\)](#), page 20

Cisco MCS 7845-I3 Media Convergence Servers (IBM)

Table 17 *Cisco MCS 7845-I3 Media Convergence Servers*

Feature	Description
Model numbers	Cisco: <ul style="list-style-type: none"> • MCS7845I3-K9-UCC1 • MCS7845I3-K9-UCC3 • MCS7845I3-K9-UCC • MCS7845I3-K9-UCB2 • MCS-7845-I3-ECS1 IBM x3650-M2
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2 RU
Processor(s)	Dual Intel E5540 2.53-GHz; last level cache: 8 MB
RAM (as shipped)	8-GB (four 2-GB DIMM) PC3-10600 1333-MHz, fully buffered DDR-3 RDIMM
Hard disk	4 x 300 GB
RAID controller	IBM mezzanine ServeRAID MR10i controller
RAID configuration	Two RAID 1 arrays
Total available disk space	560 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	2
Remote management	IBM IMM with virtual media enabled
Total number of available ports (Voice + TTS + Voice recognition) per server	250
Total number of users with mailboxes	20,000
Number of Cisco Personal Communications Assistant users	20,000
Total number of LDAP corporate directory users	20,000
Approximate message storage, G-711 codec, minutes	514,287

Table 17 *Cisco MCS 7845-I3 Media Convergence Servers (continued)*

Feature	Description
Field-replaceable spares part numbers	Hard disk: HDD-7845-I3-300=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Specifications for Previously Shipped Platforms Supported for Cisco Unity Connection 9.x

- [Previously Shipped Platforms for Virtual Configurations, page 21](#)
- [Previously Shipped Platform Overlay 1 Servers, page 24](#)
- [Previously Shipped Platform Overlay 2 Servers, page 30](#)
- [Previously Shipped Platform Overlay 3 Servers, page 34](#)

Previously Shipped Platforms for Virtual Configurations

- [Cisco UCS-B200M1-VCS1/N20-B6620-1, page 21](#)
- [Cisco UCS-C210M1-VCD1/R210-2121605, page 22](#)
- [Cisco UCS-C210M1-VCD2/R210-2121605, page 23](#)
- [Cisco R210-2121605 \(Fiber-Channel SAN Compatible\), page 23](#)

Cisco UCS-B200M1-VCS1/N20-B6620-1

Table 18 *Cisco UCS-B200M1-VCS1 Platforms*

Feature	Description
Model numbers	VTG: UCS-B200M1-VCS1 SAVBU: N20-B6620-1
Supplier	Cisco
Form factor	Half blade
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5540 80W CPUs, 8 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	32 GB: Eight 4GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Two 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
RAID controller	SATA on board
RAID configuration	RAID 1

Table 18 *Cisco UCS-B200M1-VCS1 Platforms (continued)*

Feature	Description
Total available disk space	136 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10299/index.html

Cisco UCS-C210M1-VCD1/R210-2121605

Table 19 *Cisco UCS-C210M1-VCD1 Platforms*

Feature	Description
Model numbers	VTG: UCS-C210M1-VCD1 SAVBU: R210-2121605
Supplier	Cisco
Form factor	2RU
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5540 80W CPUs, 8 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	12 GB: Six 2 GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Six 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
RAID controller	LSI 6G MegaRAID PCIe Card (RAID 0, 1, 5, 6, 10, 60) — 512WC
RAID configuration	2 drives in RAID 1 (VMware) 4 drives in RAID 5 (virtual machines)
Total available disk space	RAID 1 array: 136 RAID 5 array: 408 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10516/index.html

Cisco UCS-C210M1-VCD2/R210-2121605

Table 20 *Cisco UCS-C210M1-VCD2 Platforms*

Feature	Description
Model numbers	VTG: UCS-C210M1-VCD2 SAVBU: R210-2121605
Supplier	Cisco
Form factor	2RU
Mounting	Rack-mount
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5540 80W CPUs, 8 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	36 GB: <ul style="list-style-type: none"> Six 2GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs Six 4GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Ten 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
RAID controller	LSI 6G MegaRAID PCIe Card (RAID 0, 1, 5, 6, 10, 60) — 512WC
RAID configuration	2 drives in RAID 1 (VMware) 8 drives in RAID 5 (virtual machines)
Total available disk space	RAID 1 array: 136 GB RAID 5 array: 952 GB
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10516/index.html

Cisco R210-2121605 (Fiber-Channel SAN Compatible)

Table 21 *Cisco R210-2121605 Platform (Fiber-Channel SAN Compatible)*

Feature	Description
Model numbers	SAVBU: R210-2121605
Supplier	Cisco
Form factor	2RU
Mounting	Rack-mount

Table 21 *Cisco R210-2121605 Platform (Fiber-Channel SAN Compatible) (continued)*

Feature	Description
Physical processor(s)	Two Intel 2.53 GHz quad-core Xeon E5540 80W CPUs, 8 MB cache, DDR3 1066MHz
Physical RAM (as shipped)	36 GB: <ul style="list-style-type: none"> Six 2GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs Six 4GB DDR3-1333MHz RDIMM/PC3-10600/dual rank 1Gb DRAMs
Physical hard disk	Two 146GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive sled mounted
Fiber channel controller card	Qlogic QLE2462, 4Gb dual port Fibre Channel Host Bus Adapter
RAID controller	LSI 6G MegaRAID PCIe Card (RAID 0, 1, 5, 6, 10, 60) — 512WC
RAID configuration	2 drives in RAID 1 (VMware) Virtual machines run on the SAN
Total available disk space	RAID 1 array: 136
Hardware reconfiguration required	None
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Not applicable
Power supply	Redundant on the chassis
More information	http://www.cisco.com/en/US/products/ps10516/index.html

Previously Shipped Platform Overlay 1 Servers

- [Cisco MCS 7825-I3 Media Convergence Servers \(IBM\), page 25](#)
- [Cisco MCS 7825-I3 Media Convergence Servers \(IBM\), page 25](#)
- [Cisco MCS 7825-I4 Media Convergence Servers \(IBM\), page 26](#)
- [Cisco MCS 7825-H3 Media Convergence Servers \(HP\), page 28](#)
- [Cisco MCS 7825-H3 Media Convergence Servers \(HP\), page 28](#)
- [Cisco MCS 7825-H4 Media Convergence Servers \(HP\), page 29](#)

Cisco MCS 7825-I3 Media Convergence Servers (IBM)

Table 22 Cisco MCS 7825-I3 Media Convergence Servers

Feature	Description
Model numbers	<p>Cisco:</p> <ul style="list-style-type: none"> • MCS 7825-I3-UC1 • MCS7825I3K9-UCA1 • MCS7825I3K9-UCB1 • MCS 7825-I3-ECS1 <p>IBM x3250 (MTM: 4364****)</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1RU)
Processor(s)	Intel Dual-Core Xeon 3050 2.13-GHz processor (IBM part number: 1272)
RAM (as shipped)	Two 1-GB DDR2 667 synchronous dynamic RAM (SDRAM) DIMMs (IBM part number: 1903)
Hard disk	Two 160-GB 7200-rpm 3.5-in. simple-swap SATA HDD (IBM part number: 5291) RAID 1 (IBM part numbers: 4367 and 9011)
RAID controller	SATA on board
RAID configuration	RAID 1
Total available disk space	150 GB
Hardware reconfiguration required	<p>When all of the following are true, each Cisco MCS 7825 server in a Digital Network must contain 4 GB of RAM:</p> <ul style="list-style-type: none"> • Digital networking is configured. • Voice recognition is configured. • The sum of contacts, users, distribution lists, locations, personal contacts, and personal distribution lists exceeds 2,000. <p>When Cisco MCS 7825 servers contain 4 GB of RAM, the Digital Network can include up to 10,000 users.</p> <p>When a Cisco MCS 7825 server contains 2 GB of RAM, the maximum number of contacts for the server is 50,000. When a Cisco MCS 7825 server contains 4 GB of RAM, the maximum number of contacts for the server is 100,000.</p> <p>Connection 9.0(1) and later only: All MCS 7825 servers must contain 4 GB of RAM.</p>
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number: 4144)
Tape drive	Optional
Power supply	Not redundant
Remote management	ILO

Table 22 *Cisco MCS 7825-I3 Media Convergence Servers (continued)*

Feature	Description
Total number of available ports (Voice + TTS + Voice recognition) per server	48
Total number of users with mailboxes	2,000
Number of Cisco Personal Communications Assistant users	2,000
Total number of LDAP corporate directory users	2 GB RAM: 2,000 4 GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	117,000
Field-replaceable spares part numbers	Memory: MEM-7825-I3-2GB= Hard disk: HDD-7825-I3-160=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Cisco MCS 7825-I4 Media Convergence Servers (IBM)

Table 23 *Cisco MCS 7825-I4 Media Convergence Servers*

Feature	Description
Model numbers	Cisco: <ul style="list-style-type: none"> • MCS 7825-I4-UCB1 • MCS7825-I4-UCA1 • MCS 7825-I4-ECS1 • MCS7825I4-K9-UCC1 IBM x3250-M2
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1RU)
Processor(s)	Single Intel Dual-Core Xeon E8400 3.0-GHz 6M L2
RAM (as shipped)	2-GB (two 1-GB) PC2-5300 Error Checking and Correction (ECC) double data rate 2 (DDR2)
Hard disk	Two 250-GB Serial Advanced Technology Attachment (SATA) 3.5-in. cold-swap drives
RAID controller	SATA on board
Total available disk space	233 GB

Table 23 *Cisco MCS 7825-I4 Media Convergence Servers (continued)*

Feature	Description
Hardware reconfiguration required	<p>When all of the following are true, each Cisco MCS 7825 server in a Digital Network must contain 4 GB of RAM:</p> <ul style="list-style-type: none"> • Digital networking is configured. • Voice recognition is configured. • The sum of contacts, users, distribution lists, locations, personal contacts, and personal distribution lists exceeds 2,000. <p>When Cisco MCS 7825 servers contain 4 GB of RAM, the Digital Network can include up to 10,000 users.</p> <p>When a Cisco MCS 7825 server contains 2 GB of RAM, the maximum number of contacts for the server is 50,000. When a Cisco MCS 7825 server contains 4 GB of RAM, the maximum number of contacts for the server is 100,000.</p> <p>Connection 9.0(1) and later only: All MCS 7825 servers must contain 4 GB of RAM.</p>
Battery-backed write cache enabler (BBWC)	No
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Not redundant
Remote management	Yes
Total number of available ports (Voice + TTS + Voice recognition) per server	48
Total number of users with mailboxes	2,000
Number of Cisco Personal Communications Assistant users	2,000
Total number of LDAP corporate directory users	2 GB RAM: 2,000 4 GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	117,000
Field-replaceable spares part numbers	Memory: MEM-7825-I4-2GB= Hard disk: HDD-7825-I4-160=
More information	http://www.cisco.com/en/US/partner/prod/collateral/voicesw/ps6790/ps5748/ps378/data_sheet_c78-513886.html

Cisco MCS 7825-H3 Media Convergence Servers (HP)

Table 24 *Cisco MCS 7825-H3 Media Convergence Servers*

Feature	Description
Model numbers	<p>Cisco:</p> <ul style="list-style-type: none"> • Cisco MCS 7825-H3-UC1 • MCS7825H3K9-UCA1 • MCS7825H3-K9-UCB1 • MCS-7825-H3-ECS1 <p>HP DL320G5</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1 RU)
Processor(s)	Intel Dual-Core Xeon 3050 2.13-GHz processor with an 1066-MHz FSB and 2 MB of Layer 2 cache (HP part number: 419400-L21)
RAM (as shipped)	<p>2-GB PC2-5300 DDR2 ECC memory (must be installed in pairs); (HP part number: 432804-B21)</p> <p>2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.</p>
Hard disk	Two 160-GB cold-swap SATA hard disks (HP part number: 349238-B21)
RAID controller	SATA on board
RAID configuration	RAID 1
Total available disk space	150 GB
Hardware reconfiguration required	<p>When all of the following are true, each Cisco MCS 7825 server in a Digital Network must contain 4 GB of RAM:</p> <ul style="list-style-type: none"> • Digital networking is configured. • Voice recognition is configured. • The sum of contacts, users, distribution lists, locations, personal contacts, and personal distribution lists exceeds 2,000. <p>When Cisco MCS 7825 servers contain 4 GB of RAM, the Digital Network can include up to 10,000 users.</p> <p>When a Cisco MCS 7825 server contains 2 GB of RAM, the maximum number of contacts for the server is 50,000. When a Cisco MCS 7825 server contains 4 GB of RAM, the maximum number of contacts for the server is 100,000.</p> <p>Connection 9.0(1) and later only: All MCS 7825 servers must contain 4 GB of RAM.</p>
Battery-backed write cache enabler (BBWC)	No
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (HP part number: 374303-B21)
Tape drive	Optional

Table 24 *Cisco MCS 7825-H3 Media Convergence Servers (continued)*

Feature	Description
Power supply	Not redundant
Remote management	Yes
Total number of available ports (Voice + TTS + Voice recognition) per server	48
Total number of users with mailboxes	2,000
Number of Cisco Personal Communications Assistant users	2,000
Total number of LDAP corporate directory users	2-GB RAM: 2,000 4-GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	117,000
Field-replaceable spares part numbers	Memory: MEM-7825-H3-2GB= Hard disk: HDD-7825-H3-160=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/product_s_data_sheets_list.html

Cisco MCS 7825-H4 Media Convergence Servers (HP)

Table 25 *Cisco MCS 7825-H4 Media Convergence Servers*

Feature	Description
Model numbers	Cisco: <ul style="list-style-type: none"> • MCS7825H4K9-UCA1 • MCS7825H4-K9-UCB1 • MCS-7825-H4-ECS1 HP DL320-G5p
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1RU)
Processor(s)	Single Intel Dual Core Xeon E8400 3.0-GHz 6M L2
RAM (as shipped)	2-GB (two 1-GB) PC2-6400 ECC DDR2
Hard disk	Two 250-GB SATA 3.5-in. cold-swap drives
RAID controller	SATA on board
RAID configuration	RAID 1
Total available disk space	233 GB

Table 25 *Cisco MCS 7825-H4 Media Convergence Servers (continued)*

Feature	Description
Hardware reconfiguration required	<p>When all of the following are true, each Cisco MCS 7825 server in a Digital Network must contain 4 GB of RAM:</p> <ul style="list-style-type: none"> Digital networking is configured. Voice recognition is configured. The sum of contacts, users, distribution lists, locations, personal contacts, and personal distribution lists exceeds 2,000. <p>When Cisco MCS 7825 servers contain 4 GB of RAM, the Digital Network can include up to 10,000 users.</p> <p>When a Cisco MCS 7825 server contains 2 GB of RAM, the maximum number of contacts for the server is 50,000. When a Cisco MCS 7825 server contains 4 GB of RAM, the maximum number of contacts for the server is 100,000.</p> <p>Connection 9.0(1) and later only: All MCS 7825 servers must contain 4 GB of RAM.</p>
Battery-backed write cache enabler (BBWC)	No
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (HP part number: 374303-B21)
Tape drive	Optional
Power supply	Not redundant
Remote management	Yes
Total number of available ports (Voice + TTS + Voice recognition) per server	48
Total number of users with mailboxes	2,000
Number of Cisco Personal Communications Assistant users	2,000
Total number of LDAP corporate directory users	2 GB RAM: 2,000 4 GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	117,000
Field-replaceable spares part numbers	Memory: MEM-7825-H4-2GB= Hard disk: HDD-7825-H4-250=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/product_s_data_sheets_list.html

Previously Shipped Platform Overlay 2 Servers

- [Cisco MCS 7835-I2 Media Convergence Servers \(IBM\), page 31](#)
- [Cisco MCS 7835-H2 Media Convergence Servers \(HP\), page 32](#)

Cisco MCS 7835-I2 Media Convergence Servers (IBM)

Table 26 *Cisco MCS 7835-I2 Media Convergence Servers*

Feature	Description
Model numbers	<p>Cisco, version 1:</p> <ul style="list-style-type: none"> • MCS 7835-I2-UC1 • MCS 7835-I2-ECS1 <p>Cisco, version 2:</p> <ul style="list-style-type: none"> • MCS 7835-I2-ECS2 • MCS 7835-I2-UCA1 <p>Cisco, version 3:</p> <ul style="list-style-type: none"> • MCS7835I2-K9-UCA1A • MCS7835I2-K9-UCB1 • MCS7835I2-K9-UCB1A <p>IBM x3650 (MTM: 7979****)</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2 RU
Processor(s)	<p>Versions 1 and 2: Single Intel Xeon Woodcrest 2.33-GHz processor</p> <p>Version 3: Dual Core Intel Xeon Processor 5140 (2.33-GHz and two 2-MB Layer 2 cache (IBM part number: 1325))</p>
RAM (as shipped)	<p>Version 1: 2 GB</p> <p>Version 2: 4 GB</p> <p>Version 3: 4 GB, eight 512-MB PC2-5300 667-MHz ECC Chipkill DDR2 FBDIMM (IBM part number: 0546)</p> <p>4 GB required for Connection 8.x</p>
Hard disk	<p>Versions 1 and 2: Two 72-GB hard disks</p> <p>Version 3: Two 146-GB hard disks (IBM part number: 5534)</p>
RAID controller	<p>Versions 1 and 2: ServeRAID-8K (part number: 25R8064)</p> <p>Version 3: ServeRAID-8K (IBM part number: 1670)</p>
RAID configuration	RAID 1
Total available disk space	<p>Versions 1 and 2: 67 GB</p> <p>Version 3: 136 GB</p>
Hardware reconfiguration required	<ul style="list-style-type: none"> • Version 1 servers require 4 GB of RAM. • Version 1 and 2 servers require two 146 GB or larger hard disks. • Connection 8.6 and later only: All MCS 7835 servers must contain 6 GB of RAM.

Table 26 Cisco MCS 7835-I2 Media Convergence Servers

Feature	Description
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Remote management	Remote Supervisor Adapter II Slimline
Total number of available ports (Voice + TTS + Voice recognition) per server	96
Total number of users with mailboxes	4,000
Number of Cisco Personal Communications Assistant users	4,000
Total number of LDAP corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	Versions 1 and 2: 16,500 Version 3: 99,000
Field-replaceable spares part numbers	Memory: MEM-7835-I2-2GB= Hard disk: HDD-7835-I2-72= and HDD-7835-I2-146= Power: PWR-7835-I2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/product_s_data_sheets_list.html

Cisco MCS 7835-H2 Media Convergence Servers (HP)

Table 27 Cisco MCS 7835-H2 Media Convergence Servers

Feature	Description
Model numbers	<p>Cisco, version 1:</p> <ul style="list-style-type: none"> • MCS 7835-H2-UC1 • MCS 7835-H2-ECS1 <p>Cisco, version 2:</p> <ul style="list-style-type: none"> • MCS 7835-H2-UCA1 • MCS 7835-H2-ECS2 <p>Cisco, version 3:</p> <ul style="list-style-type: none"> • MCS7835H2-K9-UCA1A • MCS7835H2-K9-UCB1A • MCS7835H2-K9-UCB1 <p>HP DL380G5 Single Processor</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	2
Form factor	Rack-mount

Table 27 *Cisco MCS 7835-H2 Media Convergence Servers (continued)*

Feature	Description
Mounting	2RU
Processor(s)	Versions 1 and 2: Single Intel Xeon Woodcrest 2.33-GHz processor Version 3: Intel Dual-Core Xeon Processor 5140 (2.33 GHz, 1333 FSB)
RAM (as shipped)	Version 1: 2 GB Version 2: 4 GB Version 3: 4 GB as four 1-GB memory modules, FBD PC2-5300
Hard disk	Versions 1 and 2: Two 72-GB hard disks Version 3: Two HP 146-GB hot-plug 2.5 SAS 10,000-rpm hard disks
RAID controller	Versions 1 and 2: Part number: 405132-B21 Version 3: P400/256 for DL380 G5 and DL385 G2 FIO
RAID configuration	RAID 1
Total available disk space	Versions 1 and 2: 67GB Version 3: 136 GB
Hardware reconfiguration required	<ul style="list-style-type: none"> • Version 1 servers require 4 GB of RAM. • Version 1 and 2 servers require two 146 GB or larger hard disks. • Connection 8.6 and later only: All MCS 7835 servers must contain 6 GB of RAM.
Battery-backed write cache enabler (BBWC)	Part number: 383280-B21
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Remote management	Yes
Total number of available ports (Voice + TTS + Voice recognition) per server	96
Total number of users with mailboxes	4,000
Number of Cisco Personal Communications Assistant users	4,000
Total number of LDAP corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	Versions 1 and 2: 16,500 Version 3: 99,000
Field-replaceable spares part numbers	Memory: MEM-7835-H2-1GB= Hard disk: HDD-7835-H2-72= and HDD-7835-H2-146= Power: PWR-7835-H2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/product_s_data_sheets_list.html

Previously Shipped Platform Overlay 3 Servers

- [Cisco MCS 7845-I2 Media Convergence Servers \(IBM\), page 34](#)
- [Cisco MCS 7845-H2 Media Convergence Servers \(HP\), page 36](#)

Cisco MCS 7845-I2 Media Convergence Servers (IBM)

Table 28 *Cisco MCS 7845-I2 Media Convergence Servers (IBM)*

Feature	Description
Model numbers	<p>Cisco, version 1:</p> <ul style="list-style-type: none"> • MCS 7845-I2-UC1 • MCS 7845-I2-ECS1 <p>Cisco, version 2:</p> <ul style="list-style-type: none"> • MCS 7845-I2-ECS2 • MCS 7845-I2-K9-UCA1 <p>Cisco, version 3:</p> <ul style="list-style-type: none"> • MCS7845I2K9-UCA1A • MCS7845I2K9-UCB1 <p>IBM x3650 Dual Processor</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2 RU
Processor(s)	<p>Versions 1 and 2: Dual Intel Xeon Woodcrest 2.33-GHz processor</p> <p>Version 3: Two Intel Dual-Core Xeon processors 5140 (2.33 GHz) and two 2-MB Layer 2 cache (IBM part number: 1325)</p>
RAM (as shipped)	4 GB
Hard disk	<p>Version 1: Eight 72-GB hard disks</p> <p>Version 2: Four 72-GB hard disks</p> <p>Version 3: Four 146-GB hard disks (IBM part number: 5534)</p>
RAID controller	<p>Versions 1 and 2: ServeRAID-8K (part number: 25R8064)</p> <p>Version 3: ServeRAID-8K (IBM part number: 1670)</p>
RAID configuration	<p>Versions 1 and 2: Two RAID 1 arrays</p> <p>Version 3: Two RAID 1 arrays</p>

Table 28 **Cisco MCS 7845-I2 Media Convergence Servers (IBM) (continued)**

Feature	Description
Total available disk space	<p>Version 1: 134 GB after you remove four hard disks to support Connection 8.x, or 272 GB if you replace 72-GB hard disks with 146-GB hard disks to support Connection clusters</p> <p>Version 2: 134 GB, or 272 GB if you replace 72-GB hard disks with 146-GB hard disks to support Connection clusters</p> <p>Version 3: 272 GB</p>
Hardware reconfiguration required	<p>Version 1 servers require that you:</p> <ul style="list-style-type: none"> Remove 4 hard disks (shipped with 8 hard disks). Replace the remaining 72 GB hard disks with 146 GB or larger hard disks. <p>Version 2 servers require that you replace 72 GB hard disks with 146 GB or larger hard disks.</p> <p>Connection 8.6 and later only: All MCS 7845 servers must contain 6 GB of RAM</p>
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Remote management	Remote Supervisor Adapter II Slimline
Total number of available ports (Voice + TTS + Voice recognition) per server	144
Total number of users with mailboxes	10,000
Number of Cisco Personal Communications Assistant users	10,000
Total number of LDAP corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	<p>Versions 1 and 2: 97,500</p> <p>Version 3: 240,000</p>
Field-replaceable spares part numbers	<p>Memory: MEM-7845-I2-2GB=</p> <p>Hard disk: HDD-7845-I2-72= and HDD-7845-I2-146=</p> <p>Power: PWR-7845-I2=</p> <p>Fan: FAN-7845-I2=</p>
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Cisco MCS 7845-H2 Media Convergence Servers (HP)

Table 29 *Cisco MCS 7845-H2 Media Convergence Servers*

Feature	Description
Model numbers	<p>Cisco, version 1:</p> <ul style="list-style-type: none"> • MCS 7845-H2-UC1 • MCS 7845-H2-ECS1 <p>Cisco, version 2:</p> <ul style="list-style-type: none"> • MCS 7845-H2-ECS2 • MCS 7845-H2-K9-UCA1 <p>Cisco, version 3:</p> <ul style="list-style-type: none"> • MCS7845H2K9-UCA1A • MCS7845H2-K9-UCB1 <p>HP DL380G5 Dual Processor</p>
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	3
Form factor	Rack-mount
Mounting	2 RU
Processor(s)	Intel Dual-Core Xeon Woodcrest 2.33-GHz processor
RAM (as shipped)	4 GB
Hard disk	<p>Version 1: Eight 72-GB hard disks</p> <p>Version 2: Four 72-GB hard disks</p> <p>Version 3: Four 146-GB hard disks</p>
RAID controller	P400 controller (part number: 405132-B21)
RAID configuration	RAID 1
Total available disk space	<p>Version 1: 134 GB after you remove four hard disks to support Connection 8.x, or 272 GB if you replace 72-GB hard disks with 146-GB hard disks to support Connection clusters</p> <p>Version 2: 134 GB, or 272 GB if you replace 72-GB hard disks with 146-GB hard disks to support Connection clusters</p> <p>Version 3: 272 GB</p>
Hardware reconfiguration required	<p>Version 1 servers require that you:</p> <ul style="list-style-type: none"> • Remove 4 hard disks (shipped with 8 hard disks). • Replace the remaining 72 GB hard disks with 146 GB or larger hard disks. <p>Version 2 servers require that you replace 72 GB hard disks with 146 GB or larger hard disks.</p> <p>Connection 8.6 and later only: All MCS 7845 servers must contain 6 GB of RAM.</p>

Table 29 *Cisco MCS 7845-H2 Media Convergence Servers (continued)*

Feature	Description
Battery-backed write cache enabler (BBWC)	BBWC enabler (part number: 383280-B21)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Remote management	Yes
Total number of available ports (Voice + TTS + Voice recognition) per server	144
Total number of users with mailboxes	10,000
Number of Cisco Personal Communications Assistant users	10,000
Total number of LDAP corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	Versions 1 and 2: 97,500 Version 3: 240,000
Field-replaceable spares part numbers	Memory: MEM-7845-H2-1GB= Hard disk: HDD-7845-H2-72= and HDD-7845-H2-146= Power: PWR-7845-H2= Fan: FAN-7845-H2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/product_s_data_sheets_list.html

Hardware Supported by Cisco Unity Connection SRSV 9.1(1)

Added December 1, 2012

This section lists the supported hardware platforms and the minimum Cisco IOS software release required to support the hardware platform Cisco Unity Connection SRSV.

Table 30 *Specifications for Cisco Unity Connection SRSV*

Cisco Platform	Connection SRSV on SM-SRE-900-K9	Connection SRSV on SM-SRE-910-K9	UCS E 140S	UCS E140D, E140DP, E160D, and E160 DP
Cisco 2911	15.1(3)T	15.1(3)T	15.1(3)T	15.1(3)T
Cisco 2921				
Cisco 2951				
Cisco 3925	15.1(3)T	15.1(3)T	15.1(3)T	15.1(3)T
Cisco 3945				
Cisco 3925E	15.1(3)T	15.1(3)T	15.1(3)T	15.1(3)T
Cisco 3945E				


Note

A different Cisco IOS software release may be required depending on the version of Cisco Unified Communications Manager Express or Cisco Unified Survivable Remote Site Telephony (SRST) being used. For more information refer to Cisco Unified Communications Manager Express documentation available at <http://www.cisco.com/en/US/products/sw/voicesw/ps4625/index.html>.

Specifications for Virtual Platform Hardware Supported by Cisco Unity Connection SRSV 9.1(1)

Added December 1, 2012

This section lists the supported hardware platforms and the minimum Cisco IOS software release required to support the hardware platform Cisco Unity Connection SRSV.

Table 31 Specifications for Cisco Unity Connection SRSV

	SM-SRE-900-K9	SM-SRE-910-K9	UCS E 140S	UCS E140D, E140DP, E160D, and E160 DP
Minimum Connection SRSV Version	9.1(1)	9.1(1)	9.1(1)	9.1(1)
vCPU (Number of Virtual Processors) Cores and Speed per Core	<i>Connection 9.1(1) and later only: 1 @ a minimum of 2.0 GHz</i>	<i>Connection 9.1(1) and later only: 1 @ a minimum of 2.0 GHz</i>	<i>Connection 9.1(1) and later only: 1 @ a minimum of 2.0 GHz</i>	<i>Connection 9.1(1) and later only: 1 @ a minimum of 2.0 GHz</i>
vRAM (Amount of Virtual RAM)	4 GB	4 GB	4 GB	4 GB
vDisk (Size of Virtual Hard Disks)	1x160GB	1x160GB	1x160GB	1x160GB
Total number of available voice ports¹	8	8	8	8
Total number of users with mailboxes	200	200	200	200
Approximate message storage, G-711 codec, minutes	72,944	72,944	72,944	72,944
Number of public distribution lists	500	500	500	500
Number of Call Handlers	200	200	500	500
Number of languages supported	2	2	2	2

1. 8 ports G.711 or G.729a (combined TUI or TTS) and 2 ports iLBC or G.722

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