

Cisco Unity Connection 7.1 Supported Platforms List

This document provides details about the platforms supported for Cisco Unity® Connection, including those shipped by Cisco and those provided by customers, as well as platforms supported for migrations.

The Cisco Unity Connection installation application prevents installation on servers that do not meet the exact specifications or models listed on the Cisco Unity Connection 7.1 Supported Platforms List.

Platform Overlays for Cisco Unity Connection 7.1

Platform overlays are generic platform categories based on the configuration of processors, hard drives, and RAM. Each platform in this document corresponds to an overlay based on its configuration of these components. Table 1 defines the overlays for Cisco Unity Connection 7.1, the currently shipping servers for each overlay and Cisco Unity Connection 7.0. Cisco ships Cisco Unity Connection servers with the operating system and Cisco Unity Connection application preloaded. Further technical details and specifications for each of these servers, as well as technical details and support limits for older media-convergence-server (MCS) platforms supported by Cisco Unity Connection 7.1, are further described later in this document. Cisco ships the servers listed under “Co-resident Configuration” with the operating system as well as the Cisco Unity Connection and Cisco® Unified Communications Manager applications preloaded. For technical details and specifications for the co-resident servers, please refer to the data sheet at: http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheets_list.html.

Note: The Cisco MCS 7828 Media Convergence Server is supported for Cisco Unified Communications Manager Business Edition only. This server is not supported for repurpose in Cisco Unity Connection 7.1.

Note: Cisco Unity Connection supports HP servers in the form of software only. Please refer to the HP Server Solutions page for more information about HP server configurations: http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/product_solution_overview09186a0080107d79.html.

Table 1. Platform Overlays

Description	Cisco Unity Connection 7.1			
	Platform Overlay 1	Platform Overlay 2	Platform Overlay 3	Co-resident Configuration
Current shipping server models, Cisco Unity Connection 7.1	<ul style="list-style-type: none"> Part number MCS782514-K9-UCB1 IBM x3250-M2 HP DL320-G5p single processor; HP Part Number: AT982A (software only) 	<ul style="list-style-type: none"> Part number MCS783513-K9-UCB2 IBM x3650-M2 single processor HP DL380-G6 single processor; HP Part Number: AX692A (software only) 	<ul style="list-style-type: none"> Part number MCS784513-K9-UCB2 IBM x3650-M2 dual processor HP DL380-G6 dual processor; HP Part Number: AX693A (software only) 	Cisco MCS 7828 Series Servers: Refer to Cisco MCS 7828 Media Convergence Server data sheet
	<ul style="list-style-type: none"> Single processor 2-GB RAM¹ Two 250-GB Serial Advanced Technology Attachment (SATA) 3.5-in. cold-swap drive; Redundant Array of Independent Disks 1 	<ul style="list-style-type: none"> Single processor 4-GB RAM Two 300-GB single-attachment-station (SAS) 2.5-in. hot-swap hard drives; RAID 1 	<ul style="list-style-type: none"> Dual processors 8-GB RAM Four 300-GB SAS 2.5-in. hot-swap hard drives; 2 RAID 1s 	Refer to Cisco MCS 7828 Media Convergence Server data sheet

	(RAID 1)			
Description	Cisco Unity Connection 7.0 and later			
	Platform Overlay 1	Platform Overlay 2	Platform Overlay 3	Co-resident Configuration
Server models, Cisco Unity Connection 7.0 and later	<ul style="list-style-type: none"> Part number MCS7825I3-K9-UCB1 HP DL320-G5 IBM x3250 	<ul style="list-style-type: none"> Part number MCS7835I2-K9-UCB1 IBM x3650 single processor HP DL380-G5 single processor (software only) 	<ul style="list-style-type: none"> Part number MCS7845I2-K9-UCB1 IBM x3650 dual processor HP DL380-G5 dual processor (software only) 	Cisco MCS 7828 Series Servers: Refer to Cisco MCS 7828 Media Convergence Server data sheet
Specifications and current shipping server models, Cisco Unity Connection 7.0 and later	<ul style="list-style-type: none"> Single processor 2-GB RAM¹ Two 160-GB SATA hard drives; RAID 1 	<ul style="list-style-type: none"> Single processor 4-GB RAM Two 146-GB Small Computer System Interface (SCSI) hard drives; RAID 1 	<ul style="list-style-type: none"> Dual processors 4-GB RAM Four 146-GB SCSI hard drives; 2 RAID 1s 	Refer to Cisco MCS 7828 Media Convergence Server data sheet
Voicemail-Only Configuration				
Supports only telephone user interface (TUI) or voice user interface (VUI) and Cisco Unity Assistant clients connecting to the Cisco Unity Connection 7.1 Server				
Total number of available ports (Voice + Text-to-speech [TTS] + Voice recognition) per server	48²	96²	144²	16
Total number of available ports of an active-active node	96²	192²	288²	–
Total number of users with mailboxes	2,000	4,000³	10,000⁴	500
Number of Cisco Personal Communications Assistant users	2,000	4,000	10,000	500
Total number of corporate directory users (per standalone server or active-active node; up to 50,000 digitally networked users)	10,000	10,000	10,000	1,000
Integrated Messaging Configuration				
Supports clients including TUI, VUI, and Cisco Unity Assistant				
Total number of available ports (Voice + TTS + Voice recognition) per server	24⁵	48⁵	72⁵	16
Total number of available ports of an active-active node	48⁵	96⁵	144⁵	–
Total number of users with mailboxes	1,000	3,000³	7,500⁴	500
Number of Cisco Personal Communications Assistant users	1,000	3,000	7,500	500
Total number of active clients (Cisco Unified Personal Communicator + Third-party Internet Message Access Protocol [IMAP] + Cisco Unity Inbox) ⁴	1,000	3,000	7,500	500
Number of Cisco Unified Mobile Communicator and Phone View users	1,000	3,000	7,500	50
Total number of corporate directory users (per standalone server or active-active node; up to 50,000 digitally networked users)	10,000	10,000	10,000	10,000

¹ 2 GB supports up to 2,000 directory names; 4 GB total is required for more than 2,000 names in the directory.

² G.722 and Internet Low Bandwidth Codec (iLBC) codecs decrease the maximum number of ports supported by 50 percent for platform overlay 1 and the co-resident configuration. For platform overlay 2, the maximum number of ports supported is 36. For platform overlay 3, the maximum number of ports supported is 48.

³ Storage space is ~10 minutes per mailbox using existing 72-GB hard disk drives (HDDs).

⁴ This number assumes all Internet Message Access Protocol (IMAP) Idle clients. Refer to the note later in this document about mixing IMAP Idle and non-Idle clients.

⁵ G.722 and iLBC codecs decrease the maximum number of ports supported per platform by 50 percent.

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, Cisco Unified Mobility Advantage, Cisco Unified Mobile Communicator, and the IBM Lotus Sametime plug-in do not support IMAP Idle. As a result, each active instance of each of these clients (that do not support IMAP Idle) that is accessing Cisco Unity Connection voice messages counts as four active clients.

Active-Active High-Availability Configurations

Cisco Unity Connection 7.1 supports active-active high availability. In this configuration, a single high-availability node consists of two media convergence servers, each with up to 144 ports (depending on the MCS model). The total number of node ports is additive (meaning a single node can support up to 288 ports), but the total number of users supported is applicable only to the primary server.

RAM Requirements for the Media Convergence Servers When Digital Networking and Voice Recognition Are Configured

Cisco ships the Cisco Unity Connection Overlay 1 platforms (Cisco MCS 7825) with 2 GB of memory. When digital networking and voice recognition are configured, and when you are using one or more Cisco MCS 7825 Servers, 2 GB of additional memory is required in the Cisco MCS 7825 Servers when the sum of contacts, users, distribution lists, locations, personal contacts, and personal distribution lists exceeds 2,000. You can increase the number of digitally networked users to 10,000 by adding 2 GB of memory to the platform for a total of 4 GB.

The Cisco MCS 7835 Overlay 2 platforms for Cisco Unity Connection 7.1 or 7.0 require 4 GB of RAM.

Platforms Qualified for Use with Cisco Unity Connection

Cisco Unity Connection 7.1 is shipped from Cisco as an appliance on the Cisco 7800 Series Media Convergence Servers ending in the suffix "UCB2" or "UCB1". However, Cisco Unity Connection supports upgrades from some media convergence servers shipped for previous versions of Cisco Unity Connection and Cisco Unity messaging. Tables 2 through 26 outline the supported media convergence servers for Cisco Unity Connection 7.1 as well as hardware specifications, and, where applicable, required hardware changes for Cisco Unity Connection 7.1 to support the product. Table 2 is a condensed list of Cisco Unity Connection 7.1 currently shipping supported platforms with noted required hardware changes. 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.

Note: Because of changes in disk-space requirements in Cisco Unity Connection 7.1, if you are running Cisco MCS 7835 first- or second-generation models (H1, I1, H2, or I2), you must upgrade your hard disk from 2 x 72 to 2 x 146 GB if you want to run an active-active configuration. For details, refer to Tables 2 through 26 for the specific models and required HDD spare part numbers.

Cisco Unity Connection Currently Shipping Supported Platforms

Table 2. Cisco Unity Connection 7.1 Currently Shipping Supported Platforms

Cisco MCS 7825	Cisco MCS 7835	Cisco MCS 7845
Cisco MCS 7825I4-K9-UCB1	Cisco MCS 7835I3-K9-UCB2	Cisco MCS 7845I3-K9-UCB2
Cisco MCS 7825H4-K9-UCB1	Cisco MCS 7835I2-K9-UCB1A	Cisco MCS 7845I2-K9-UCB1A
Cisco MCS 7825-I4-ECS1	Cisco MCS 7835H2-K9-UCB1A	Cisco MCS 7845H2-K9-UCB1A
Cisco MCS 7825-H4-ECS1	Cisco MCS 7835I2-K9-UCB1	Cisco MCS 7845I2-K9-UCB1
	Cisco MCS 7835H2-K9-UCB1	Cisco MCS 7845H2-K9-UCB1
	Cisco MCS 7835I2-K9-UCA1A	Cisco MCS 7845I2-K9-UCA1A
	Cisco MCS 7835H2-K9-UCA1A	Cisco MCS 7845H2-K9-UCA1A
	Cisco MCS 7835-I2-ECS1 ¹	Cisco MCS 7845-H2-ECS1 ³
	Cisco MCS 7835-H2-ECS1 ¹	Cisco MCS 7845-H2-ECS2 ⁴
	Cisco MCS 7835-I2-ECS2 ²	Cisco MCS 7845-H2-ECS3
	Cisco MCS 7835-H2-ECS2 ²	Cisco MCS 7845-H2-ECS4 ⁵
		Cisco MCS 7845-I2-ECS1 ³
		Cisco MCS 7845-I2-ECS2 ⁴
		Cisco MCS 7845-I2-ECS3
		Cisco MCS 7845-I2-ECS4 ⁵

Note: Please refer to Cisco MCS 7800 data sheets for suffix “ECS” Cisco Unity Connection hardware specifications.

¹ Upgrade from 2- to 4-GB RAM. Upgrade to 146-GB (or larger) HDD for clustering.

² Upgrade from 2- to 4-GB RAM.

³ Must remove 4 HDDs (from 8 HDDs). Upgrade to 146-GB (or larger) HDD for clustering.

⁴ Upgrade to 146-GB (or larger) HDD for clustering.

⁵ Must remove 4 HDDs (from 8 HDDs).

Table 3. Cisco MCS 7825-I4 Media Convergence Servers (Cisco MCS7825I4K9-UCA1, MCS7825I4K9-UCB1, and MCS-7825-I4-ECS1) and IBM x3250-M2

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1 rack unit [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 Correcting (ECC) double data rate 2 (DDR2)
Hard drive	Two 250-GB SATA 3.5-in. cold-swap drives
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number 4144)
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voice mail only: 48 Integrated messaging: 24
Total number of users with mailboxes	Voice mail only: 2,000 Integrated messaging: 1,000
Number of voicemail users	Voice mail only: 2,000 Integrated messaging: 1,000
Number of Cisco Personal Communications Assistant users	Voice mail only: 2,000 Integrated messaging: 1,000

Total number of 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 drive: HDD-7825-I4-250=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 4. Cisco MCS 7825-H4 Media Convergence Servers (Cisco MCS7825H4K9-UCA1, MCS7825H4-K9-UCB1, and MCS-7825-H4-ECS1) and HP DL320-G5p

Feature	Description
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 drive	Two 250-GB SATA 3.5-in. cold-swap drives
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (HP part number: 374303-B21)
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 48 Integrated messaging: 24
Total number of users with mailboxes	Voicemail only: 2,000 Integrated messaging: 1,000
Number of voicemail users	Voicemail only: 2,000 Integrated messaging: 1,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 2,000 Integrated messaging: 1,000
Total number of 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 drive: HDD-7825-H4-250=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

For information about the Cisco MCS 7835-I3 Media Convergence Server (Cisco MCS7835I3-K9-UCB2) and IBM x3650-M2 single processor, please refer to the Cisco MCS 7835-I3 datasheet:
http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/data_sheet_c78-564635.html.

Table 5. Cisco MCS 7835-I2 Media Convergence Servers (Cisco MCS7835I2K9-UCA1A, MCS7835I2K9-UCB1, and MCS7835I2-K9-UCB1A) and IBM x3650

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Dual Core Intel Xeon Processor 5140 (2.33-GHz and two 2-MB Layer 2 cache (IBM part number: 1325)

RAM (as shipped)	4-GB (eight 512-MB) PC2-5300 667-MHz ECC Chipkill DDR2 fully buffered dual in-line memory module (FBDIMM) (IBM part number: 0546)
Hard drive	Two 146-GB hard drives (RAID 1 configured) (IBM part number: 5534)
RAID controller	ServeRAID-8K (IBM part number: 1670)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number: 4144)
Tape drive	Optional
Power supply	Redundant (IBM part number: 1968)
Remote monitoring	Remote Supervisor Adapter II Slimline (IBM part number: 1606)
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	99,000
Field-replaceable spares part numbers	Memory: MEM-7835-I2-2GB= Hard drive: HDD-7835-I2-146= Power: PWR-7835-I2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 6. Cisco MCS 7835-H2 Media Convergence Servers (Cisco MCS7835H2K9-UCA1A, MCS7835H2-K9-UCB1A, and MCS7835H2K9-UCB1) and HP DL380G5 Single Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Xeon Processor 5140 (2.33 GHz, 1333 front side bus [FSB])
RAM (as shipped)	4-GB fully buffered DIMM (FBD) PC2-5300 four 1-GB memory modules
Hard drive	Two HP 146-GB hot-plug 2.5 SAS 10,000-rpm HDDs (RAID 1 configured)
Batter-backed write cache enabler (BBWC)	Part number: 383280-B21
RAID controller	P400/256 for DL380 G5 and DL385 G2 FIO
CD-ROM or DVD-ROM drives	Slimline DVD-ROM drive (8x or 24x) Option Kit
Tape drive	Optional
Power supply	Redundant power supply 350/370/380 G5 U.S. Kit
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	99,000

Field-replaceable spares part numbers	Memory: MEM-7835-H2-1GB= Hard drive: HDD-7835-H2-146= Power: PWR-7835-H2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

For information about the Cisco MCS 7845-I3 Media Convergence Servers (Cisco MCS7845I3-K9-UCB2) and IBM x3650-M2 Dual Processor, please refer to the Cisco MCS 7845-I3 datasheet:
http://www.cisco.com/en/US/prod/collateral/voicesw/ps6790/ps5748/ps378/data_sheet_c78-564637.html.

Table 7. Cisco MCS 7845-I2 Media Convergence Servers (Cisco MCS7845I2K9-UCA1A and MCS7845I2K9-UCB1) and IBM x3650 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Two Intel Dual-Core Xeon Processors 5140 (2.33 GHz) and two 2-MB Layer 2 cache (IBM part number: 1325)
RAM	4-GB PC2-5300 667-MHz ECC Chipkill DDR2 FBDIMM (IBM part number: 0542)
Hard drive	Four 146-GB hard drives (RAID 1 configured) (IBM part number: 5534)
RAID controller	ServeRAID-8K (IBM part number: 1670)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number: 4144)
Tape drive	Optional
Power supply	Redundant (IBM part number: 1968)
Remote monitoring	Remote Supervisor Adapter II Slimline (IBM part number: 1606)
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	240,000
Field-replaceable spares part numbers	Memory: MEM-7845-I2-2GB= Hard drive: HDD-7845-I2-146= Power: PWR-7845-I2= Fan: FAN-7845-I2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 8. Cisco MCS 7845-H2 Media Convergence Servers (Cisco MCS7845H2K9-UCA1A and MCS7845H2-K9-UCB1) and HP DL380G5 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Xeon Woodcrest 2.33-GHz processors

RAM	4 GB
Hard drive	Four 146-GB hard drives
BBWC	BBWC enabler (part number: 383280-B21)
RAID controller	P400 controller (part number: 405132-B21)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	240,000
Field-replaceable spares part numbers	Memory: MEM-7845-H2-1GB= Hard drive: 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/products_data_sheets_list.html

Cisco Unity Connection Previously Shipped Supported Platforms

Table 9. Cisco MCS 7815-I2 Media Convergence Servers (Cisco MCS 7815-I2-UC1 and MCS 7815-I2-ECS1) and IBM x206m (MTM: 8485****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Tower
Mounting	Rack-mountable (5RU); must purchase rail kit separately
Processor(s)	Smithfield Pentium D 2.80-GHz (dual-core with two 1-MB Layer 2 cache) processor
RAM (as shipped)	2 GB Note: 2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.
Hard drive	80-GB hard drive, SATA 300, 72,000 rpm
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	24
Total number of users with mailboxes	500
Number of voicemail users	500
Number of Cisco Personal Communications Assistant users	500
Total number of corporate directory users	2-GB RAM: 2,000 4-GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	13,000
Field-replaceable spares part numbers	MEM-7815-I2-2GB=

	HDD-7815-I2-80=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 10. Cisco MCS 7815-I3 Media Convergence Servers (Cisco MCS-7815-I3-UC1, MCS 7815-I3-K9-UCA1, and MCS 7815-I3-ECS1) and IBM x3200 (MTM: 4362****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Tower
Mounting	Rack-mountable (5RU); must purchase rail kit separately
Processor(s)	Intel Dual-Core Xeon 3050 2.13-GHz processor with a 1066-MHz FSB and 2 MB of Layer 2 cache
RAM (as shipped)	2-GB PC2-5300 DDR2 ECC memory (must be installed in pairs) Note: 2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.
Hard drive	160-GB cold-swap SATA hard disk
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 48 Integrated messaging: 24
Total number of users with mailboxes	Voicemail only: 2,000 Integrated messaging: 1,000
Number of voicemail users	Voicemail only: 2,000 Integrated messaging: 1,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 2,000 Integrated messaging: 1,000
Total number of 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	MEM-7815-I3-2GB= HDD-7815-I3-160=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 11. Cisco MCS 7825-I3 Media Convergence Servers (Cisco MCS 7825-I3-UC1, MCS7825I3K9-UCA1, MCS7825I3K9-UCB1, and MCS 7825-I3-ECS1) and IBM x3250 (MTM: 4364****)

Feature	Description
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 drive	Two 160-GB 7200-rpm 3.5-in. simple-swap SATA HDD (IBM part number: 5291) RAID 1 (IBM part numbers: 4367 and 9011)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (IBM part number: 4144)
Tape drive	Optional

Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 48 Integrated messaging: 24
Total number of users with mailboxes	Voicemail only: 2,000 Integrated messaging: 1,000
Number of voicemail users	Voicemail only: 2,000 Integrated messaging: 1,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 2,000 Integrated messaging: 1,000
Total number of 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 drive: HDD-7825-I3-160=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 12. Cisco MCS 7825-H3 Media Convergence Servers (Cisco MCS 7825-H3-UC1, MCS7825H3K9-UCA1, MCS7825H3-K9-UCB1, and MCS-7825-H3-ECS1) and HP DL320G5

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	1
Form factor	Rack-mount
Mounting	Rack-mountable (1RU)
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)	2-GB PC2-5300 DDR2 ECC memory (must be installed in pairs); (HP part number: 432804-B21) Note: 2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.
Hard drive	Two 160-GB cold-swap SATA hard disks (HP part number: 349238-B21)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive (HP part number: 374303-B21)
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 48 Integrated messaging: 24
Total number of users with mailboxes	Voicemail only: 2,000 Integrated messaging: 1,000
Number of voicemail users	Voicemail only: 2,000 Integrated messaging: 1,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 2,000 Integrated messaging: 1,000
Total number of 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 drive: HDD-7825-H3-160=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 13. Cisco MCS 7825-I2 Media Convergence Servers (Cisco MCS 7825-I2-UC1 and MCS 7825-I2-ECS1) and IBM x306m (MTM: 8849****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	1
Form factor	Rack-mount
Mounting	1RU
Processor(s)	Smithfield Pentium D 2.80-GHz (dual-core with two 1-MB Layer 2 cache) processor
RAM (as shipped)	2-GB Note: 2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.
Hard drive	80-GB SATA 300 hard drive
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	24
Total number of users with mailboxes	500
Number of voicemail users	500
Number of Cisco Personal Communications Assistant users	500
Total number of corporate directory users	2-GB RAM: 2,000 4-GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	13,000
Field-replaceable spares part numbers	MEM-7825-I2-2GB= HDD-7825-I2-80=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 14. Cisco MCS 7825-H2 Media Convergence Servers (Cisco MCS 7825-H2-UC1 and MCS 7825-H2-ECS1) and HP DL320G4

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	1
Form factor	Rack-mount
Mounting	1RU
Processor(s)	Smithfield Pentium D at 2.80-GHz (dual-core with two 1-MB Layer 2 cache) processor
RAM (as shipped)	2 GB Note: 2 GB supports up to 2,000 directory users; 4 GB is required for more than 2,000 directory users.
Hard drive	80-GB SATA 300 hard drive
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Not redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	24
Total number of users with mailboxes	500
Number of voicemail users	500
Number of Cisco Personal Communications Assistant users	500
Total number of corporate directory users	2-GB RAM: 2,000

	4-GB RAM: 10,000
Approximate message storage, G-711 codec, minutes	13,000
Field-replaceable spares part numbers	MEM-7825-H2-2GB= HDD-7825-H2-80=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 15. Cisco MCS 7835-I2 Media Convergence Servers (Cisco MCS 7835-I2-UC1 and MCS 7835-I2-ECS1) and IBM x3650 (MTM: 7979****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Intel Xeon Woodcrest 2.33-GHz processor
RAM (as shipped)	2 GB Note: 4 GB required for Version 7.1
Hard drive	Two 72-GB hard drives (RAID 1 configured)
RAID controller	ServeRAID-8K (part number: 25R8064)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500
Field-replaceable spares part numbers	Memory: MEM-7835-I2-2GB= Hard drive: 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/products_data_sheets_list.html

Table 16. Cisco MCS 7835-H2 Media Convergence Servers (Cisco MCS 7835-H2-UC1 and MCS 7835-H2-ECS1) and HP DL380G5 Single Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Intel Xeon Woodcrest 2.33-GHz processor

RAM (as shipped)	2 GB Note: 4 GB required for Version 7.1
Hard drive	Two 72-GB hard drives (RAID 1 configured)
BBWC	Part number: 383280-B21
RAID controller	Part number: 405132-B21
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500
Field-replaceable spares part numbers	Memory: MEM-7835-H2-1GB= Hard drive: 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/products_data_sheets_list.html

Table 17. Cisco MCS 7835-I2 Media Convergence Server (Cisco MCS 7835-I2-UCA1) and IBM x3650 (MTM: 7979****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Intel Xeon Woodcrest 2.33-GHz processor
RAM (as shipped)	4 GB
Hard drive	Two 72-GB hard drives (RAID 1 configured)
RAID controller	ServeRAID-8K (part number: 25R8064)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500

Field-replaceable spares part numbers	Memory: MEM-7835-I2-2GB= Hard drive: 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/products_data_sheets_list.html

Table 18. Cisco MCS 7835-H2 Media Convergence Server (Cisco MCS 7835-H2-UCA1) and HP DL380G5 Single Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Intel Xeon Woodcrest 2.33-GHz processor
RAM (as shipped)	4 GB
Hard drive	Two 72-GB hard drives (RAID 1 configured)
BBWC	Part number: 383280-B21
RAID controller	Part number: 405132-B21
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voiceonly: 96 Integrated messaging: 48
Total number of users with mailboxes	Voiceonly: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voiceonly: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voiceonly: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500
Field-replaceable spares part numbers	Memory: MEM-7835-H2-1GB= Hard drive: 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/products_data_sheets_list.html

Table 19. Cisco MCS 7835-I1 Media Convergence Servers (Cisco MCS 7835-I1-UC1, MCS 7835-I1-ECS1, and MCS 7835-I1-ECS2) and IBM x346

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Xeon 3.4-GHz Processor
RAM	2 GB
Hard drive	Two 72-GB hard drives
RAID controller	As shipped

CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500
Field-replaceable spares part numbers	Memory: MEM-7835-I1-1GB= Hard drive: HDD-7835-I1-72=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 20. Cisco MCS 7835-H1 Media Convergence Servers (Cisco MCS 7835-H1-UC1, MCS 7835-H1-ECS1, and MCS 7835-H1-ECS2) and HP DL380G4 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	2
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Single Xeon 3.4-GHz Processor
RAM	2 GB
Hard drive	Two 72-GB hard drives
BBWC	As shipped
RAID controller	As shipped
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 96 Integrated messaging: 48
Total number of users with mailboxes	Voicemail only: 4,000 Integrated messaging: 3,000
Number of voicemail users	Voicemail only: 4,000 Integrated messaging: 3,000
Number of Cisco Personal Communications Assistant users	Voicemail only: 4,000 Integrated messaging: 3,000
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	16,500
Field-replaceable spares part numbers	Memory: MEM-7835-H1-1GB= Hard drive: HDD-7835-H1-72=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 21. Cisco MCS 7845-I2 Media Convergence Servers (Cisco MCS 7845-I2-UC1 and MCS 7845-I2-ECS1) and IBM x3650 Dual Processor (MTM: 7979****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Dual Intel Xeon Woodcrest 2.33-GHz processors
RAM	4 GB
Hard drive	Eight 72-GB hard drives; Version 7.1 supports only four 72-GB hard drives
RAID controller	ServeRAID-8K (part number: 25R8064)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only: 144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-I2-2GB= Hard drive: HDD-7845-I2-72= and HDD-7845-I2-146= Power: PWR-7845-I2= Fan: FAN-7845-I2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 22. Cisco MCS 7845-H2 Media Convergence Servers (Cisco MCS 7845-H2-UC1 and MCS 7845-H2-ECS1) and HP DL380G5 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Xeon Woodcrest 2.33-GHz processors
RAM	4 GB
Hard drive	Eight 72-GB hard drives; Version 7.1 supports only four 72-GB hard drives
BBWC	BBWC enabler (part number: 383280-B21)
RAID controller	P400 controller (part number : 405132-B21)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant

Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only:144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-H2-1GB= Hard drive: 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/products_data_sheets_list.html

Table 23. Cisco MCS 7845-I2 Media Convergence Server (Cisco MCS 7845-I2-K9-UCA1) and IBM x3650 Dual Processor (MTM: 7979****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Xeon Woodcrest 2.33-GHz processors
RAM	4 GB
Hard drive	Four 72-GB hard drives
RAID controller	ServeRAID-8K (part number: 25R8064)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only:144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-I2-2GB= Hard drive: HDD-7845-I2-72= and HDD-7845-I2-146= Power: PWR-7845-I2= Fan: FAN-7845-I2=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 24. Cisco MCS 7845-H2 Media Convergence Server (Cisco MCS 7845-H2-K9-UCA1) and HP DL380G5 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Dual Intel Xeon Woodcrest 2.33-GHz processors
RAM	4 GB
Hard drive	Four 72-GB hard drives
BBWC	BBWC enabler (part number: 383280-B21)
RAID controller	P400 controller (part number: 405132-B21)
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only:144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-H2-1GB= Hard drive: 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/products_data_sheets_list.html

Table 25. Cisco MCS 7845-I1 Media Convergence Servers (Cisco MCS 7845-I1-UC1, MCS 7845-I1-ECS1, and MCS 7845-I1-ECS2) and IBM x346 (MTM: 8840****)

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by IBM
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Nocona or Irwindale Xeon 3.40-GHz processors
RAM	4 GB
Hard drive	Four 72-GB hard drives (total of 4 HDDs supported; support for the ECS1 model requires removal of 2 HDDs)
RAID controller	As shipped
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only:144 Integrated messaging: 72

Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-I1-1GB= Hard drive: HDD-7845-I1-72= and HDD-7845-I1-144=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html

Table 26. Cisco MCS 7845-H1 Media Convergence Servers (Cisco MCS 7845-H1-UC1, MCS 7845-H1-ECS1, and MCS 7845-H1-ECS2) and HP DL380G4 Dual Processor

Feature	Description
Supplier	Shipped by Cisco or provided by customer; manufactured by HP
Platform overlay	3
Form factor	Rack-mount
Mounting	2RU
Processor(s)	Intel Dual-Core Nocona or Irwindale Xeon 3.40-GHz processors
RAM	4 GB
Hard drive	Four 72-GB hard drives (total of 4 HDDs supported; support for the ECS1 model requires removal of 2 HDDs)
BBWC	As shipped
RAID controller	As shipped
CD-ROM or DVD-ROM drives	1 DVD-ROM drive
Tape drive	Optional
Power supply	Redundant
Total number of available ports (Voice + TTS + Voice recognition) per server	Voicemail only:144 Integrated messaging: 72
Total number of users with mailboxes	Voicemail only: 10,000 Integrated messaging: 7,500
Number of voicemail users	Voicemail only: 10,000 Integrated messaging: 7,500
Number of Cisco Personal Communications Assistant users	Voicemail only: 10,000 Integrated messaging: 7,500
Total number of corporate directory users	10,000
Approximate message storage, G-711 codec, minutes	97,500
Field-replaceable spares part numbers	Memory: MEM-7845-H1-1GB= Hard drive: HDD-7845-H1-72= and HDD-7845-H1-146=
More information	http://www.cisco.com/en/US/partner/products/hw/voiceapp/ps378/products_data_sheets_list.html



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