

Cisco Unity Supported Platforms List

Updated June, 2004

This list details the only set of platforms supported for Cisco Unity™ Bridge and Cisco Unity, including those shipped by Cisco®, those provided by customers, and platforms supported for upgrades.

PLATFORM OVERLAYS

Platform overlays are generic platform categories based on the configuration of processors, hard drives, and RAM. Each platform on this list corresponds to an overlay based upon its configuration of these components. Table 1 defines the overlays.

Table 1 Platform Overlays

Platform Overlay	PO Number 1	PO Number 2	PO Number 3	PO Number 4	PO Number 5
Description	Single processor 512 MB RAM	Single processor 512 MB RAM	Dual processors 1.0 GB RAM	Quad capable Dual processors 2 GB RAM	Quad capable Quad processors 4 GB RAM
Voice-mail users	499	1100	2200	3000	3000
Unified Messaging users Voice Mail with off-box message store users	499	1599	2500	7500	7500
Ports	16	32	48	72	72
Message Store users	499	1100	2200	3000	3000
CPCA sessions	50	100	150	200	300
TTS sessions	8	16	24	36	36

Table 2 lists the currently available platforms (from Cisco, Dell, HP and IBM) on this list and the overlays that they represent.

Table 2 Product Part Numbers being affected

Platform Overlay	PO Number 1	PO Number 2	PO Number 3	PO Number 4	PO Number 5
Platform	<ul style="list-style-type: none"> MCS-7815I-ECS1 MCS-7825H-ECS1 IBM x205 	<ul style="list-style-type: none"> MCS-7835H-ECS1 MCS-7835I-ECS1 Dell PE2600 - single processor HP DL380-G3 - single processor HP ML370-G3 - single processor IBM x235 - single processor IBM x345 - single processor 	<ul style="list-style-type: none"> MCS-7845H-ECS1 MCS-7845H-ECS2 MCS-7845I-ECS1 MCS-7845I-ECS2 Dell PE2600 - dual processor HP DL380-G3 - dual processor HP ML370-G3 - dual processor IBM x235 - dual processor IBM x345 - dual processor 	<ul style="list-style-type: none"> MCS-7855I-ECS1 MCS-7855I-ECS2 Dell PE4600 - dual processor Dell PE6650 - dual processor Dell PE6600 - dual processor HP DL580-G2 - dual processor HP ML570-G2 - dual processor IBM x255 - dual processor 	<ul style="list-style-type: none"> MCS-7865I-ECS1 MCS-7865I-ECS2 Dell PE6650 - quad processor Dell PE6600 - quad processor HP DL580-G2 - quad processor HP ML570-G2 - quad processor IBM x255 - quad processor

CISCO UNITY VOICE MESSAGING AND UNIFIED MESSAGING CONFIGURATIONS

Some models of Cisco media convergence server (MCS) platforms are now offered in two enterprise communications variants for Cisco Unity, labeled ECS1 and ECS2 configurations. In these cases, the ECS1 configurations are optimized for voice mail only deployments, with extra hard drive capacity and redundant array of independent disks (RAID) configuration to support storage of messages on the same server. ECS2 configurations are optimized for unified messaging deployments or voice mail deployments where messages will be stored on a separate server. ECS2 configurations generally have fewer RAID-configured hard drives to provide a more cost-effective server platform when the additional on-box message store capacity is not needed.

CISCO UNITY SERVER PHYSICAL STORAGE CONFIGURATIONS

With the introduction of the new generation of Cisco 7800 Series of media convergence servers (MCSs), Cisco has updated its recommended configuration for hard drive and mass storage devices for the Cisco Unity application. The new ECS2 platforms are configured with 2 X RAID 1 hard drives for off-box message storage. The new ECS1 versions typically have either 3 X RAID 1 or 2 X RAID 1 + RAID 10 arrays. These new mass storage configurations are designed to optimize platform input / output performance by separating binaries, transaction logs, and databases onto their own RAID arrays. For hard drive configuration of each server, refer to the platform specific sections below. For a more detailed discussion of mass storage considerations with the Cisco Unity application, refer to the Cisco Unity Physical Storage White Paper at: http://www.cisco.com/en/US/products/sw/voicesw/ps2237/products_white_paper09186a00800a5b6c.shtml#1428268

CISCO UNITY BRIDGE SUPPORTED PLATFORMS

Cisco MCS-7815I-3.0-ECS1 (20 ports)

Cisco MCS-7845H-3.0-ECS1 or ECS2 (48 ports with expansion chassis)

Cisco MCS-7845I-3.0-ECS1 or ECS2 (48 ports with expansion chassis)

Dell 1400 (24 ports)

IBM x205 (20 ports)

HP DL 380 G3—dual processor (48 ports with expansion chassis)

IBM x345—dual processor (48 ports with expansion chassis)

CISCO UNITY SUPPORTED PLATFORMS

Cisco

MCS-7815I-3.0-ECS1

- Shipped by Cisco, manufactured by IBM
- Platform Overlay 1
- Tower form factor
- Rack mountable (4RU). Must purchase Rail kit separately.
- Supports Cisco Unity version 3.1 and later
- Supports Cisco Unity Bridge version 2.1 and later
- Northwood Pentium IV 3.0 GHz processor*
- 512 MB RAM
- 40 GB Ultra ATA hard drive
- Up to 16 ports for Cisco Unity
- Up to 20 ports for Cisco Unity Bridge
- IP, dual and traditional integrations
- 5 slots available for voice boards—standard or universal PCI
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging—Cisco Unity 3.1
- Up to 50 Cisco Personal Communications Assistant (CPCA) users—Cisco Unity 4.0
- Up to 50 Visual Messaging Interface (VMI) users—Cisco Unity 3.1
- Up to 8 text to speech (TTS) sessions
- DVD-ROM
- Security key:
 - Universal Serial Bus (USB) for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later

- Rack rails available as option when Cisco-shipped
- SMARTnet services available
- Approximate message storage (in minutes)**
 - G-711—28,580 (476 hours)
 - G-729—228,640 (3,811 hours)

For more information on the MCS-7815I-3.0-ECS1, refer to:

http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheet09186a0080173d25.html

* This is the processor speed as tested and shipped-any processor available from IBM on this platform is supported.

** Assumes 8GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS-7825H-3.0-ECS1

- Shipped by Cisco, manufactured by HP
- Platform Overlay 1
- Rack mount—1RU
- Supports Cisco Unity version 3.1 and later
- Single Northwood Pentium 4 @ 3.06 GHz processor
- 512 MB RAM
- Two 36 GB hard drives (RAID 1configured)
- Up to 16 ports
- IP integration only
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1x
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 8 TTS sessions
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- SMARTnet[®] services available
- Approximate message storage (in minutes)*
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

For more information on the MCS-7825H-3.0-ECS1, refer to:

http://www.cisco.com/application/pdf/en/us/guest/products/ps5166/c1650/ccmigration_09186a008015344b.pdf

* Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS-7835H-3.0-ECS1

- Shipped by Cisco, manufactured by HP
- Platform Overlay 2
- Rack mount—2RU
- Supports Cisco Unity version 3.1 and later
- Single Intel Prestonia DP-core Xeon 3.06 GHz processor
- 512 MB RAM
- Two 36 GB hard drives (RAID 1 configured)
- Up to 32 ports
- IP, dual switch and traditional integrations
- 3 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 16 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Redundant power supply
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Tape drive (hot swap) is available as an option

- SMARTnet services available
- Approximate message storage (in minutes)*
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

For more information on the MCS-7835H-3.0-ECS1, refer to:

http://www.cisco.com/application/pdf/en/us/guest/products/ps5165/c1650/ccmigration_09186a0080153466.pdf

* Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS-7835I-3.0-ECS1

- Shipped by Cisco, manufactured by IBM
- Platform Overlay 2
- Rack mount—2RU
- Supports Cisco Unity version 3.1 and later
- Single Intel Prestonia DP-core Xeon 3.06 GHz processor
- 512 MB RAM
- Two 36 GB hard drives (RAID 1 configured)
- Up to 32 ports
- IP, dual switch and traditional integrations
- 2 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 2 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 16 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Redundant power supply
- Security key:

- USB for Cisco Unity 3.x
- None required for Cisco Unity 4.0 and later
- SMARTnet services available
- Approximate message storage (in minutes)*
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

For more information on the MCS-7835I-3.0-ECS1, refer to:

http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheet09186a0080215ed2.html

* Assumes 8GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS 7845H-3.0-ECS-1 and ECS-2

- Shipped by Cisco, manufactured by HP
- Platform Overlay 3
- Rack mount—2RU
- Supports Cisco Unity version 3.1 and later
- Supports Cisco Unity Bridge version 3.0 and later
- Dual Intel Prestonia DP-core Xeon 3.06 GHz processors
- 1 GB RAM
- ECS1 version: optimized for voicemail only / on-box message store
 - Four 36 GB plus two 72 GB hard drives (3 X RAID 1 configured)
- ECS2 version: optimized for unified messaging / off-box message store
 - Four 36 GB hard drives (2 X RAID 1 configured)
- Up to 48 ports for Cisco Unity
- Up to 48 ports for Cisco Unity Bridge (with expansion chassis for voice cards)
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging
- Up to 150 VMI users—Cisco Unity 3.1x
- Up to 150 CPCA users—Cisco Unity 4.0

- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Redundant power supply
- Redundant fans
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Tape drive
 - ECS 1 version does not support a hot swap tape drive, since all drive bays are already in use
 - ECS 2 version can support an optional hot swap tape drive
- SMARTnet services available
- Approximate message storage: ECS 1 version (in minutes)*
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage: ECS 2 version (in minutes)*
 - Not applicable, the ECS 2 version is designed for off-box message storage

For more information on the MCS-7845H-3.0-ECS1 and ECS2, refer to:

http://www.cisco.com/application/pdf/en/us/guest/products/ps5167/c1650/ccmigration_09186a008015346e.pdf

* Assumes half of addressable drive space reserved for recovery, Exchange 2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS 7845I-3.0-ECS-1 and ECS-2

- Shipped by Cisco, manufactured by IBM
- Platform Overlay 3
- Rack mount—2RU
- Supports Cisco Unity version 3.1 and later
- Supports Cisco Unity Bridge version 3.0 and later
- Dual Intel Prestonia DP-core Xeon 3.0 GHz processors
- 1 GB RAM
- ECS1 version: optimized for voice mail only / on-box message store
 - Four 36 GB plus two 72GB hard drives (3 X RAID 1 configured)
- ECS2 version: optimized for unified messaging / off-box message store

- Four 36 GB hard drives (2 X RAID 1 configured)
- Up to 48 ports for Cisco Unity
- Up to 48 ports for Cisco Unity Bridge (with expansion chassis for voice cards)
- IP, dual and traditional integrations
- 2 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 2 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging
- Up to 150 VMI users
- Up to 150 CPCA users
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Redundant power supply
- Redundant fans
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- SMARTnet services available
- Approximate message storage: ECS 1 version (in minutes)*
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage: ECS 2 version (in minutes)*
 - Not applicable. The ECS 2 version is designed for off-box message storage.

For more information on the MCS-7845I-3.0-ECS1 and ECS2, refer to:

http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheet09186a0080173d29.html

* Assumes half of addressable drive space reserved for recovery, Exchange 2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS-7855I-1.5-ECS1 and ECS2

- Shipped by Cisco; manufactured by IBM
- Platform Overlay 4
- Rack mount—7RU
- Supports Cisco Unity version 3.1 and later
- Dual Gallatin MP-core Xeon 1.5 GHz processors
- 2.0 GB RAM
- Ships with Windows 2000 Advanced Server
- ECS1 version: optimized for voice mail only / on-box message store:
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra 320, 10K RPM hard drives)
- ECS2 version: optimized for unified messaging / off-box message store:
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Tape drive is available

- Approximate message storage: ECS1 version (in minutes)*
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage: ECS2 version (in minutes)*
 - Not applicable. The ECS 2 version is designed for off-box message storage.

For more information on the MCS-7855I-1.5-ECS1 and ECS2, refer to:

http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheet09186a00801739a1.html

* Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS-7865I-1.5-ECS1 and ECS2

- Shipped by Cisco; manufactured by IBM
- Platform Overlay 5
- Rack mount—7RU
- Supports Cisco Unity version 3.1 and later
- Quad Gallatin MP-core Xeon 1.5 GHz processors
- 4.0 GB RAM
- Ships with Windows 2000 Advanced Server
- ECS1 version: optimized for voice mail only / on-box message store:
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra 320, 10K RPM hard drives)
- ECS2 version: optimized for unified messaging / off-box message store:
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra 320, 10K RPM hard drives)
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1

- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Tape drive is available
- Approximate message storage: ECS1 version (in minutes)*
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage: ECS2 version (in minutes)*
 - Not applicable. The ECS 2 version is designed for off-box message storage.

For more information on the MCS-7865I-1.5-ECS1 and ECS2, refer to:

http://www.cisco.com/en/US/products/hw/voiceapp/ps378/products_data_sheet09186a00801739a3.html

* Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ICS7750—SPE310 Module

- Shipped by Cisco
- Platform Overlay 1
- Up to 24 ports for Cisco Unity 3.1x
- Up to 32 ports for Cisco Unity 4.0
- Up to 350 users for Voice Messaging with message store on the ICS7750—Cisco Unity version 3.1x and above—512 MB RAM
- Up to 500 users for Voice Messaging with message store on the ICS7750—Cisco Unity version 3.1x and above—1 GB RAM
- Up to 500 users for Unified Messaging and Voice Mail with message store off the ICS7750—Cisco Unity version 3.1(5) and above—512 MB RAM
- Up to 50 users for VMI—Cisco Unity 3.1x
- Up to 50 users for CPCA—Cisco Unity 4.0
- Up to TTS sessions—Cisco Unity 3.1x
- Up to 16 TTS sessions—Cisco Unity 4.0
- IP integration only

- Single Pentium III 700 MHz processor
- 512 MB—1 GB RAM
- 20.4 GB (or greater) Ultra ATA hard drive
- External CD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- 19 inch rack mount (9U) or standalone
- Approximate message storage with 20 GB hard drive (in minutes)*
 - G-711—13,699 (228 hours)
 - G-729—109,594 (1,826 hours)

MCS 7827

- Previously shipped by Cisco
- Platform Overlay 1
- Cisco Unity version 3.0 and above
- Up to 16 ports
- IP integration only
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1x
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 8 TTS sessions
- Single Pentium III 1.13 GHz processor
- 512 MB RAM
- 40 GB Ultra ATA hard drive
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—1RU
- SMARTnet services available
- Approximate message storage (in minutes)*
 - G-711—28,850 (476 hours)
 - G-729—228,640 (3,811 hours)

* Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS 7837

- Previously shipped by Cisco
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.26 GHz processor
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available
- Approximate message storage (in minutes)*
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS 7847

- Previously shipped by Cisco
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging—recommended
- Up to 150 VMI users
- Up to 150 CPCA users
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.26 GHz processor
- 1.0 GB RAM
- 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply
- Redundant fans
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available

- Approximate message storage (in minutes)*

- G-711—67,270 (1,121 hours)
- G-729—538,160 (8,969 hours)

*Assumes half of addressable drive space reserved for recovery, Exchange 2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

MCS 7825-800

- Previously shipped by Cisco
- Up to 32 ports Voice Messaging/Unified Messaging
- Cisco Unity version 3.0 or above
- IP integration only

MCS 7835-733

- Previously shipped by Cisco
- Up to 32 ports Voice Messaging/Unified Messaging
- Cisco Unity version 2.46 and above
- IP integration only

MCS 7835-1000

- Previously shipped by Cisco
- Up to 40 ports Voice Messaging/Unified Messaging
- Cisco Unity version 2.46 and above
- IP, dual and traditional integrations

Dell

OptiPlex G1

- Previously shipped by Cisco
- Upgrade to Cisco Unity version 3.1x only
- Not supported for VMI users
- 4-12 ports Voice Messaging or Unified Messaging with Exchange 2000
- 4-16 ports Voice Messaging or Unified Messaging with Exchange 5.5

PowerEdge 2300

- Previously shipped by Active Voice
- Upgrade to Cisco Unity version 3.1x only
- 4-32 ports Voice Messaging or Unified Messaging

PowerEdge 2400

- Previously shipped by Cisco
- Upgrade to Cisco Unity version 4.x
- Single processor—4-32 ports Voice Messaging or Unified Messaging
- Dual processor with 2 hard drives—4-32 ports Voice Messaging or Unified Messaging
- Dual processor with 5 hard drives—4-48 ports Voice Messaging or Unified Messaging

OptiPlex GX-150

- Provided by customer
- Upgrade to Cisco Unity version 4.x
- Up to 16 ports
- IP Integration Only
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Not supported for VMI users

PowerEdge 1400 SC

- Formerly shipped by Cisco, or provided by customer
- Platform Overlay 1
- Up to 16 ports of Cisco Unity
- Supported for Cisco Unity Bridge up to 24 ports
- IP, dual and traditional integrations
- 6 slots available for voice boards—standard or universal PCI
- Expansion chassis supported for additional voice boards
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Pentium III 1.0 GHz processors*
- 512 MB RAM
- 18 GB Ultra 160 SCSI 10K hard drive
- DVD-ROM

- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack-mountable tower—6RU
- Rack rails available as option when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes)**
 - G-711—12,707 (211 hours)
 - G-729—101,657 (1,694 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes 4 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 2500—Single processor

- Formerly shipped by Cisco, or provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards:
 - 5 usable with standard PCI boards
 - 7 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 12 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.13GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM

- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack mount—5RU
- Rack rails included when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes 4 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 2500—Dual processor

- Shipped by Cisco, or provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards:
 - 5 usable with standard PCI boards
 - 7 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 2200 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2500 users for Voice Messaging - recommended
- Up to 150 VMI users—Cisco Unity 3.1
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.13GHz processors*
- 1.0GB RAM

- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack mount—5RU
- Rack rails included when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 2600—Single processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations

- 7 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 7 usable with universal PCI boards
- PCI expansion chassis supported for additional voice board
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Prestonia DP-core Xeon 1.8GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack mount—5RU
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested-any processor available from Dell on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 2600—Dual processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations

- 7 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 7 usable with universal PCI boards
- PCI expansion chassis supported for additional voice boards
- Up to 2200 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2500 users for Voice Messaging - recommended
- Up to 150 VMI users
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 1.8 GHz processors*
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack mount—5RU
- Rack rails included when shipped by Cisco
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested-any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message stores only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 4400

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards:
 - 5 usable with standard PCI boards
 - 7 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 6000 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 6000 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades DP-core Xeon 1.0 GHz processors*
- 1 GB RAM for up to 5000 users
- 2 GB RAM for up to 6000 users
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)

- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—6RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 4600—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 6000 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 6000 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 1.80GHz processors*

- 2 GB RAM for up to 6000 users
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—6RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 6450—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations

- 7 total slots available for voice boards
 - 5 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
 - Expansion chassis supported for additional voice boards
 - Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
 - Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
 - Up to 200 VMI users—Cisco Unity 3.1
 - Up to 200 CPCA users—Cisco Unity 4.0
 - Up to 12 TTS sessions—Cisco Unity 3.1
 - Up to 36 TTS sessions—Cisco Unity 4.0
 - Dual Cascades MP-core Xeon 900 MHz processors*
 - 2 GB RAM
 - Windows 2000 Advanced Server required for new installations
 - 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - DVD-ROM
 - Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
 - Rack mount—4RU
 - Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.
- * This is the processor speed as tested—any processor available from Dell on this platform is supported.

PowerEdge 6450—Quad Processor

- Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 5 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards

- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*
- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—4RU
- Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

PowerEdge 6400—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 5 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1

- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—7RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 6400—Quad Processors

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 5 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Cascades MP-core Xeon 900 MHz processors*
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 72 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later

- Rack mount—7RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 6650—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 8 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 8 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Gallatin MP-core Xeon 1.5 GHz processors*
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM

- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—4RU
- Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

PowerEdge 6650—Quad Processor

- Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 8 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 8 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Gallatin MP-core Xeon 1.5 GHz processors*
- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later

- Rack mount—4RU
 - Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.
- * This is the processor speed as tested—any processor available from Dell on this platform is supported.

PowerEdge 6600—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 11 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 11 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Gallatin MP-core Xeon 1.5 GHz processors*
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)

- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—7RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

PowerEdge 6600—Quad Processor

- Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 11 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 11 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Gallatin MP-core Xeon 1.5 GHz processors*

- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 72 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—7RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)

* This is the processor speed as tested—any processor available from Dell on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

Hewlett Packard

ProLiant—DL320 G1

- Cisco Unity version 3.0 and above
- Platform Overlay 1
- Up to 16 ports

- IP integration only
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions
- Single Pentium III 1.13 GHz processor*
- 512 MB RAM
- 40 GB Ultra ATA hard drive
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—1RU
- SMARTnet services available
- Approximate message storage (in minutes)**
 - G-711—28,850 (476 hours)
 - G-729—228,640 (3,811 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL320 G2

- Customer provided
- Platform Overlay 1
- Rack mount—1RU
- Supports Cisco Unity version 3.1 and later
- Single Northwood Pentium 4 @ 2.26 GHz processor*
- 512 MB RAM
- Hard drive configuration
 - Two 36 GB hard drives (RAID 1 configured)
 - or
 - Single 40 GB Ultra ATA hard drive (non-RAID)
- Up to 16 ports

- IP integration only
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1x
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 8 TTS sessions
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Approximate message storage with dual 36 GB RAID hard drives (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)
- Approximate message storage with single 40GB ATA hard drive (in minutes)**
 - G-711—28,850 (476 hours)
 - G-729—228,640 (3,811 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL380 G1\G2—Single Processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards*
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x

- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.26 GHz processor**
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply
- Security key:
 - USB for Cisco Unity 3.x***
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available
- Approximate message storage (in minutes)****
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* Use of the expansion chassis with the DL 380 G2 requires a special Hewlett Packard system BIOS. This is available for download at no charge from Hewlett Packard at: ftp://FTP.HEWLETT_PACKARD.com/PUB/SOFTPAQ/SP20001-20500/SP20496.exe

** This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

*** The Cisco Unity 3.x software kit includes a USB security key only. If the customer provides the DL 380 G1 platform, they will need to call (206) 256-2900 x3177 and follow the automated instructions to exchange the parallel security key for a USB security key. They should do this immediately upon receipt of the software kit.

**** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL380 G2—Dual Processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 1 usable with standard PCI boards
 - 3 usable with universal PCI boards

- Expansion chassis supported for additional voice boards*
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging—recommended
- Up to 150 VMI users—Cisco Unity 3.1x
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.26 GHz processor**
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply
- Redundant fans
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above***
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* Use of the expansion chassis with the DL 380 G2 requires a special Hewlett Packard system BIOS. This is available for download at no charge from Hewlett Packard at: [ftp://FTP.HEWLETT PACKARD.com/PUB/SOFTPAQ/SP20001-20500/SP20496.exe](ftp://FTP.HEWLETT%20PACKARD.com/PUB/SOFTPAQ/SP20001-20500/SP20496.exe)

** This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

*** Assumes half of addressable drive space reserved for recovery, Exchange 2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—ML370 G2—Single Processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.26 GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack Mount—5RU
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—ML370 G2—Dual Processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- Up to 2200 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2500 users for Voice Messaging—recommended
- Up to 150 VMI users—Cisco Unity 3.1x
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.26 GHz processor*
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later

- Rack Mount—5RU
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL380 G3—Single processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards*
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Prestonia DP-core Xeon 2.4 GHz processor**
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply

- Security key:
 - USB for Cisco Unity 3.x***
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available
- Approximate message storage (in minutes)****
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* Use of the expansion chassis with the DL 380 G2 requires a special Hewlett Packard system BIOS. This is available for download at no charge from Hewlett Packard at:

ftp://FTP.HEWLETT_PACKARD.com/PUB/SOFTPAQ/SP20001-20500/SP20496.exe

** This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

*** The Cisco Unity 3.x software kit includes a USB security key only. If the customer provides the DL 380 G1 platform, they will need to call (206) 256-2900 x3177 and follow the automated instructions to exchange the parallel security key for a USB security key. They should do this immediately upon receipt of the software kit.

**** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL380 G3—Dual Processor

- Provided by customer
- Platform Overlay 3
- Supports Cisco Unity version 3.1 and later
- Supports Cisco Unity Bridge version 3.0 and later
- Up to 48 ports for Cisco Unity
- Up to 48 ports for Cisco Unity Bridge (with expansion chassis for voice cards)
- IP, dual and traditional integrations
- 3 total slots available for voice boards:
 - 0 usable with standard PCI boards
 - 3 usable with universal PCI boards
- Expansion chassis supported for additional voice boards*
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging—recommended
- Up to 150 VMI users—Cisco Unity 3.1x

- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 2.4 GHz processor**
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Redundant power supply
- Redundant fans
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Tape drive is available as an option
- SMARTnet services available
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above***
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* Use of the expansion chassis with the G3 requires a special Hewlett Packard system BIOS. This is available for download at no charge from Hewlett Packard at:

<ftp://FTP.HEWLETTPACKARD.com/PUB/SOFTPAQ/SP20001-20500/SP20496.exe>

** This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

*** Assumes half of addressable drive space reserved for recovery, Exchange 2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—ML370 G3—Single processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 0 usable with standard PCI boards
 - 6 usable with universal PCI boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Prestonia DP-core Xeon 2.4 GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack Mount—5RU
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—ML370 G3—Dual Processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 0 usable with standard PCI boards
 - 6 usable with universal PCI boards
- Up to 2200 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2500 users for Voice Messaging—recommended
- Up to 150 VMI users—Cisco Unity 3.1x
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1x
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 2.4 GHz processor*
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack Mount—5RU
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—DL580 G1/G2—Dual Processors

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards—G1
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- 4 total slots available for voice boards—G2
 - 0 usable with standard PCI boards
 - 4 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*—G1
- Dual Gallatin MP-core Xeon 1.4 GHz processors*—G2
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key: parallel port only

- Rack mount—4RU
- Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

ProLiant—DL580 G1/G2—Quad Processors

- Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards—G1
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- 4 total slots available for voice boards—G2
 - 0 usable with standard PCI boards
 - 4 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1x
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 16 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Cascades MP-core Xeon 900MHz processors*—G1
- Quad Gallatin MP-core Xeon 1.5GHz processors*—G2
- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- 4 hard drive configuration:
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID 1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key: parallel port only

- Rack mount—4RU
- Approximate message storage (in minutes):
 - Not applicable—this platform is recommended for Voice Messaging and Unified Messaging with message storage off of the Cisco Unity server.

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

ProLiant—ML570 G1/G2—Dual Processors

- Shipped by Cisco—or Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards—G1
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- 7 total slots available for voice boards—G2
 - 0 usable with standard PCI boards
 - 7 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*—G1
- Dual Gallatin MP-core Xeon 1.5 GHz processors*—G2
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)

- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key: parallel port only
- Rack mount—7RU
- Redundant power supply
- Tape Drive is available as an option when shipped by Cisco
- SMARTnet services available
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

ProLiant—ML570 G1/G2—Quad Processors

- Shipped by Cisco—or Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards—G1
 - 4 usable with standard PCI boards
 - 6 usable with universal PCI boards
- 7 total slots available for voice boards—G2
 - 0 usable with standard PCI boards
 - 7 usable with universal PCI boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)

- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*—G1
- Dual Gallatin MP-core Xeon 1.5 GHz processors*—G2
- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 72 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key: parallel port only
- Rack mount—7RU
- Redundant power supply
- Tape Drive is available as an option when shipped by Cisco
- SMARTnet services available
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)

* This is the processor speed as tested—any processor available from Hewlett Packard on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

IBM

xSeries-206

- Shipped by Cisco (MCS-7815I-3.0-ECS1) —or Provided by customer
- Platform Overlay 1
- Up to 16 ports for Cisco Unity
- Supported for Cisco Unity Bridge up to 20 ports
- IP, dual and traditional integrations
- 5 slots available for voice boards—standard or universal PCI
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions
- Prescott Pentium IV 3.0 GHz processor*
- 1 GB RAM
- 80 GB Ultra ATA hard drive
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mountable—4RU
- Rack rails available as option when shipped by Cisco
- Approximate message storage (in minutes)**
 - G-711—57,160 (952 hours)
 - G-729—457,280 (7,622 hours)

* This is the processor speed as tested and shipped-any processor available from IBM on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-205

- Shipped by Cisco—or Provided by customer
- Platform Overlay 1
- Up to 16 ports for Cisco Unity

- Supported for Cisco Unity Bridge up to 20 ports
- IP, dual and traditional integrations
- 5 slots available for voice boards—standard or universal PCI
- Up to 499 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 499 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions
- Northwood Pentium IV 2.0 GHz processor*
- 512 MB RAM
- 40 GB Ultra ATA hard drive
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mountable—4RU
- Rack rails available as option when shipped by Cisco
- Approximate message storage (in minutes)**
 - G-711—28,580 (476 hours)
 - G-729—228,640 (3,811 hours)

* This is the processor speed as tested and shipped—any processor available from IBM on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

X342—Single Processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 5 total slots available for voice boards
 - 3 usable with standard PCI voice boards
 - 5 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards

- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1
- Up to 100 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.4GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—3RU
- Redundant power supply
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes 4 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

X342—Dual Processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 5 total slots available for voice boards
 - 3 usable with standard PCI voice boards
 - 5 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging

- Up to 150 VMI users—Cisco Unity 3.1
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.4 GHz processors*
- 512 MB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—3RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes 4 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

x232—Single processor

- Previously shipped by Cisco—or Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 3 slots available for voice boards
- Expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1599 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1x
- Up to 100 VMI users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Pentium III 1.4 GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack rails included when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes 4 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

x232—Dual processor

- Previously shipped by Cisco—or Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 3 slot available for voice boards
- Expansion chassis supported for additional voice boards
- Up to 2200 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging—recommended
- Up to 150 VMI users—Cisco Unity 3.1
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Pentium III 1.4 GHz processors*
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack included when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711 - 67,270 (1,121 hours)
 - G-729 - 538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-345—Single Processor

- Shipped by Cisco—or Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 2 slots available for voice boards
 - 0 usable with standard PCI voice boards
 - 2 usable with universal PCI voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 100 VMI users—Cisco Unity 3.1
- Up to 100 VMI users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Prestonia DP-core Xeon 2.4 GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Redundant power supply
- Approximate message storage (in minutes)**
 - G-711—25,604 (490 hours)
 - G-729—204,832 (3,414 hours)

* This is the processor speed as tested and shipped—any processor available from IBM on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

x345—Dual Processor

- Shipped by Cisco—or Provided by customer
- Platform Overlay 3
- Supports Cisco Unity version 3.1 and later
- Supports Cisco Unity Bridge version 3.0 and later
- Up to 48 ports for Cisco Unity
- Up to 48 ports for Cisco Unity Bridge (with expansion chassis for voice cards)
- IP, dual and traditional integrations
- 2 slots available for voice boards
 - 0 usable with standard PCI voice boards
 - 2 usable with universal PCI voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging
- Up to 150 VMI users—Cisco Unity 3.1
- Up to 150 VMI users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 2.4 GHz processors*
- 1.0 GB RAM
- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM

- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—2RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested and shipped-any processor available from IBM on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-235—Single processor

- Provided by customer
- Platform Overlay 2
- Up to 32 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 6 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 1599 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 1100 users for Voice Messaging
- Up to 50 VMI users—Cisco Unity 3.1
- Up to 50 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 16 TTS sessions—Cisco Unity 4.0
- Single Prestonia DP-core Xeon 2.4 GHz processor*
- 512 MB RAM
- 2 hard drive configuration:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)

- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mountable—5RU
- Redundant power supply
- Approximate message storage (in minutes)**
 - G-711 - 25,604 (490 hours)
 - G-729 - 204,832 (3,414 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes 8 GB for system partition, half of addressable drive space reserved for recovery, Exchange (Voicemail Runtime) Standard Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-235—Dual Processor

- Provided by customer
- Platform Overlay 3
- Up to 48 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 6 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 2500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 2200 users for Voice Messaging - recommended
- Up to 150 VMI users—Cisco Unity 3.1
- Up to 150 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 24 TTS sessions—Cisco Unity 4.0
- Dual Prestonia DP-core Xeon 2.4 GHz processors*
- 1.0 GB RAM

- Recommended 6 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 72 GB, Ultra3, 10K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra3, 10K RPM hard drives)
- Legacy, supported 5 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x- None required for Cisco Unity 4.0 and later
- Rack mountable—5RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended 6 drive configuration above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

x250—Dual Processor

- Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 4 usable with standard PCI voice boards
 - 6 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards

- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Cascades MP-core Xeon 900 MHz processors*
- 2 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM
- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—8RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

x250—Quad Processor

- Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations
- 6 total slots available for voice boards
 - 4 usable with standard PCI voice boards
 - 6 usable with universal PCI voice boards
- Expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Cascades MP-core Xeon 900 MHz processors*
- 4 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra3, 10K RPM hard drives)
 - RAID5 (3 x 72 GB, Ultra3, 10K RPM hard drives)
- DVD-ROM

- Security key:
 - Parallel port for Cisco Unity 2.x
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Rack mount—8RU
- Redundant power supply
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)

* This is the processor speed as tested—any processor available from IBM on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-255—Dual Processor

- Shipped by Cisco—or Provided by customer
- Platform Overlay 4
- Up to 72 ports
- IP, dual and traditional integrations
- 7 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 200 VMI users—Cisco Unity 3.1
- Up to 200 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Dual Gallatin MP-core Xeon 1.5 GHz processors*
- 2.0 GB RAM

- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID5 (3 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- DVD-ROM
- Security key:
 - USB for Cisco Unity 3.x
 - None required for Cisco Unity 4.0 and later
- Redundant power supply
- Rack mount—7RU
- Rack included when shipped by Cisco
- Tape drive is available as an option when shipped by Cisco
- Approximate message storage (in minutes) with recommended RAID 10 array above**
 - G-711—134,731 (2,245 hours)
 - G-729—1,077,848 (17,964 hours)
- Approximate message storage (in minutes) with legacy, supported RAID 5 array above**
 - G-711—67,270 (1,121 hours)
 - G-729—538,160 (8,969 hours)

* This is the processor speed as tested and shipped—any processor available from IBM on this platform is supported.

** Assumes half of addressable drive space reserved for recovery, Exchange2000 (Voicemail Runtime) Enterprise Edition. This is for Voice Messaging deployments with local message store only. In Unified Messaging deployments the amount of storage time available for messages depends upon the Exchange or Lotus Domino network storage capacity.

xSeries-255—Quad Processor

- Shipped by Cisco—or Provided by customer
- Platform Overlay 5
- Up to 72 ports
- IP, dual and traditional integrations

- 7 total slots available for voice boards
 - 1 usable with standard PCI voice boards
 - 7 usable with universal PCI voice boards
- PCI expansion chassis supported for additional voice boards
- Up to 7500 users for Unified Messaging (message store off the Cisco Unity server)
- Up to 7500 users for Voice Messaging (message store off the Cisco Unity server)
- Up to 3000 users for Voice Messaging (message store on the Cisco Unity server)
- Up to 300 VMI users—Cisco Unity 3.1
- Up to 300 CPCA users—Cisco Unity 4.0
- Up to 12 TTS sessions—Cisco Unity 3.1
- Up to 36 TTS sessions—Cisco Unity 4.0
- Quad Gallatin MP-core Xeon 1.5 GHz processors*
- 4.0 GB RAM
- Windows 2000 Advanced Server required for new installations
- Recommended 8 hard drive configuration optimized for hosting message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID10 (4 x 72 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Recommended 4 hard drive configuration optimized for off-box message store:
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 36 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
- Legacy, supported 7 hard drive configuration:
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)
 - RAID1 (2 x 18 GB, Ultra160 - 320, 10 - 15K RPM hard drives)



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