

Cisco Unified MeetingPlace Express 1.2

Cisco® Unified MeetingPlace® Express is an integrated voice and Web conferencing solution that helps midsize organizations realize the cost savings and productivity benefits of deploying conferencing over internal networks. Part of the Cisco Unified Communications system, Cisco Unified MeetingPlace Express provides simple, powerful conferencing functions that are easy to deploy and manage (Figure 1).

The Cisco Unified Communications family of voice, video, and IP communications products and applications helps organizations communicate more effectively—by helping them streamline business processes, reach the right resource the first time, and reduce costs and maximize revenue. The Cisco Unified Communications system is an integral part of a complete, integrated business communications solution for organizations of all sizes that also includes network infrastructure, security, and network management products; wireless connectivity; a lifecycle services approach; and flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

Figure 1. Cisco Unified MeetingPlace Express Helps Users Make the Most of Their Meeting Time



Product Overview

Improved Productivity, Accelerated Business

Cisco Unified MeetingPlace Express promotes communication and collaboration by helping people meet from any place at any time with anyone. Organizations can expand their market reach, improve operational effectiveness, and speed decisions by integrating virtual meetings into everyday communications. With just a phone and a Web browser, users can collaborate with co-workers, demonstrate products and services to customers, and deliver compelling presentations. Cisco Unified MeetingPlace Express also makes virtual meetings more productive by integrating meeting management and control capabilities directly into Web and Cisco Unified IP Phone interfaces.

Cost Savings and Security

Cisco Unified MeetingPlace Express is deployed in-house, on an organization's converged IP network, a scenario that can reduce costs by virtually eliminating conferencing telephony and service fees paid to service providers. And Cisco Unified MeetingPlace Express helps secure meetings using Secure Sockets Layer (SSL) encryption, behind-the-firewall deployment, and multiple meeting security options.

Easy Deployment and Management

Cisco Unified MeetingPlace Express is a software solution installed on a single server that supports industry-standard protocols—H.323 and Session Initiation Protocol (SIP)—to ensure connectivity with a range of telephony systems, including Cisco Unified CallManager and Cisco Unified CallManager Express. Cisco Unified MeetingPlace Express also integrates with the Cisco Unified CallManager directory to simplify profile management by automating user authentication and profile setup. Web-based administration capabilities include report generation, conference monitoring, diagnostics, and interface configuration.

Key Features and Benefits

Simple Conference Setup and Attendance

Cisco Unified MeetingPlace Express includes Microsoft Outlook, Web, Cisco Unified IP Phone, and touchtone phone interfaces for setting up and attending meetings. In a single step, meeting organizers can initiate an immediate (reservationless) voice and Web conference from any of these interfaces. The reservationless meeting feature gives users their own unique meeting IDs that they can use to initiate meetings at any time. Future meetings—individual or recurring—can be scheduled from Microsoft Outlook or the Web interface (Figure 2, Microsoft Outlook example). When meetings are scheduled, e-mail notifications with meeting information and a click-to-attend link are automatically sent to invitees. Users can see how many participants are already in a meeting before attending it, just like looking through a conference room window. One click allows the user to attend both the voice and Web conference (Figure 3).

Figure 2. Easily Set Up a Voice and Web Conference from Microsoft Outlook

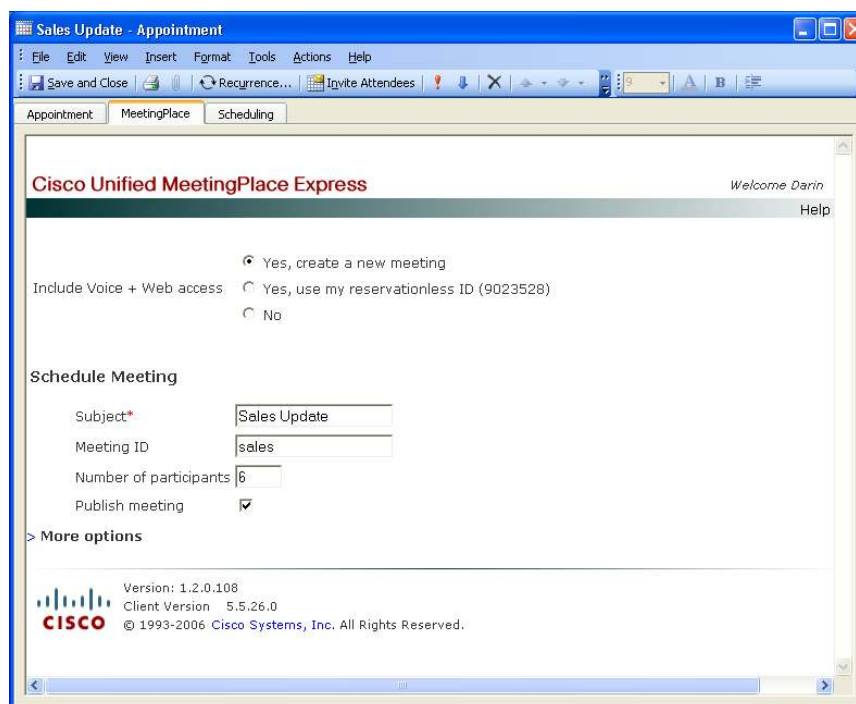
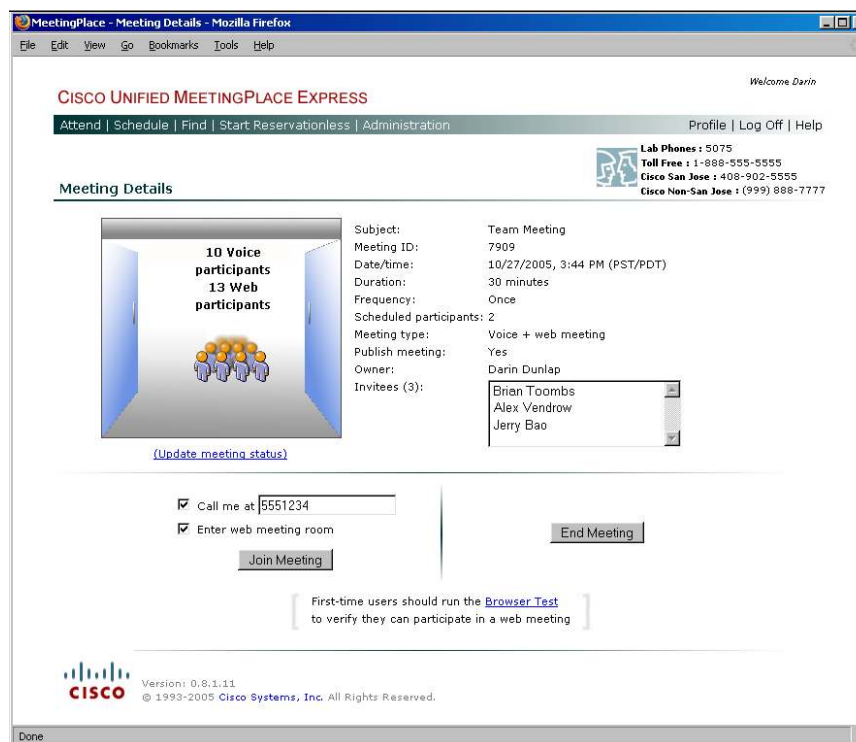


Figure 3. Attending from the Cisco Unified MeetingPlace Express Meeting Details Page

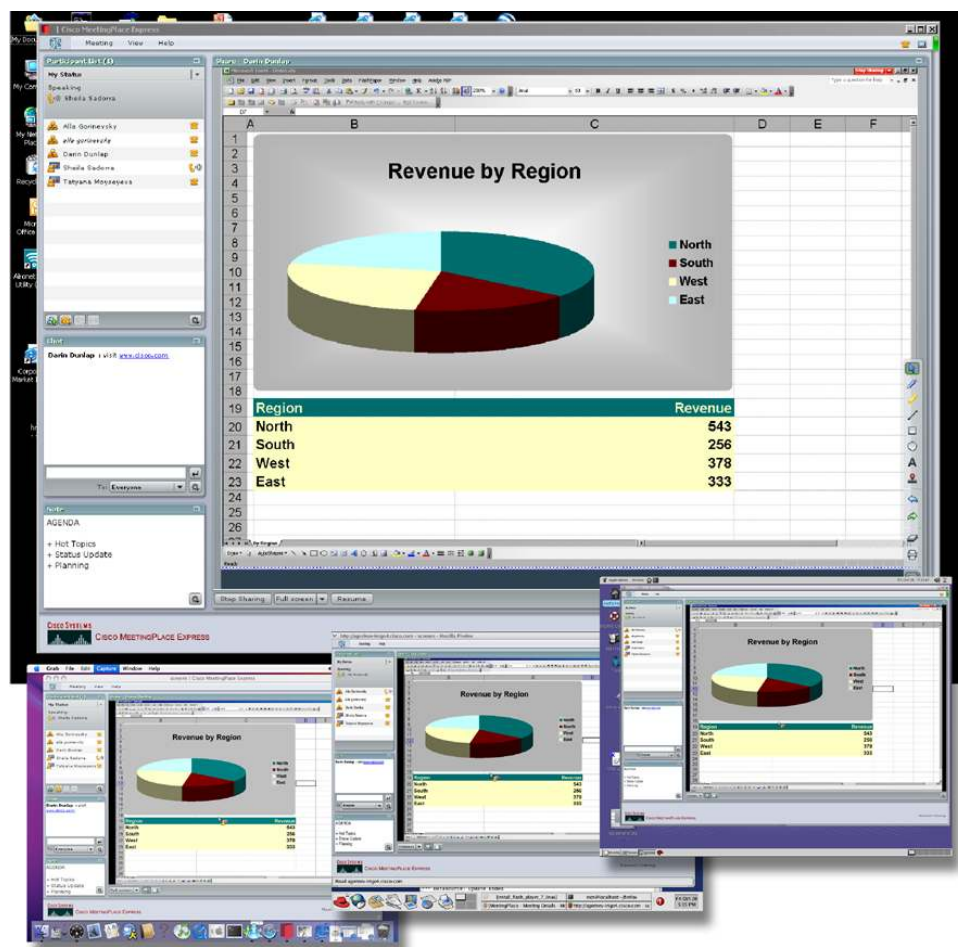


Advanced Voice and Web Conferencing

Cisco Unified MeetingPlace Express tightly integrates voice and Web conferencing capabilities, making it well suited for interactive meetings and presentations. Web conferencing is built using Adobe's Macromedia Flash technology, which helps ensure rapid and reliable meeting entry, and the interface is streamlined for meeting management and simple screen sharing of applications or the entire desktop. Shared content scales to any screen resolution so the content being shared

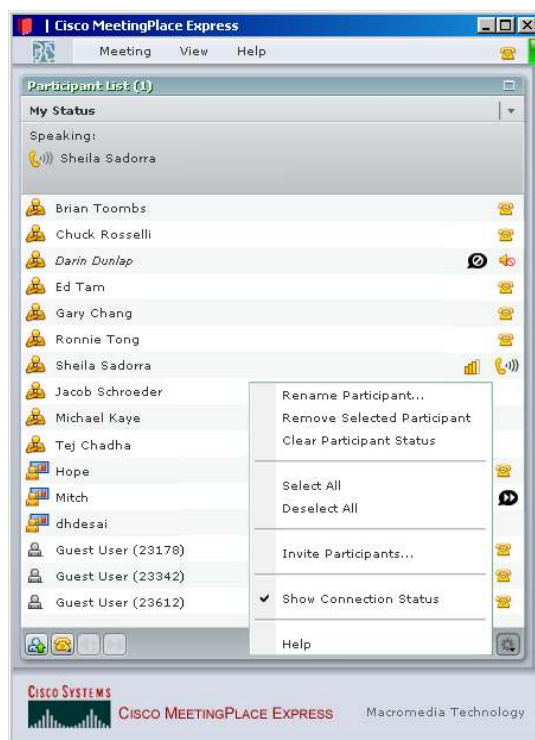
always fits into your Web meeting-room window. The full-screen mode lets you maximize your view of the content. Whether on the Windows, Mac, Linux, or Solaris platform, users can easily participate in Web conferences and experience a consistent interface (Figure 4).

Figure 4. Cisco Unified MeetingPlace Express Offers Users a Consistent Web Conferencing Interface Across Platforms



Cisco Unified MeetingPlace Express provides innovative meeting management functions that facilitate more productive meetings. From the Web interface, users can mute and unmute themselves, see who is in the meeting and how they are participating (voice or Web), see who is speaking, and see who is sharing content. Users with the appropriate permission level can mute other attendees, control attendee sharing permission levels, and bring others into the meeting by dialing out or sending e-mail invitations (Figure 5).

Figure 5. Cisco Unified MeetingPlace Express Participant List and Meeting Controls



Cisco Unified MeetingPlace Express also helps users with Cisco Unified Personal Communicator improve the productivity of their voice and video calls. At a moment's notice, Cisco Unified Personal Communicator users can share content through a simple screen-sharing interface served by Cisco Unified MeetingPlace Express (Figure 6). In addition to adding impromptu Web conferencing support, Cisco Unified Personal Communicator environments can add multiparty voice and video capabilities with Cisco Unified MeetingPlace Express VT (refer to the Cisco Unified MeetingPlace Express VT data sheet for more details).

Figure 6. Web Conferencing Using Cisco Unified Personal Communicator



Also included is a Cisco Unified IP Phone interface that shows who is in a meeting and who is speaking. This interface or any touchtone telephone interface also lets attendees mute and unmute themselves, control recording, and access many more features (Figure 7).

Figure 7. Cisco Unified IP Phone for Cisco Unified MeetingPlace Express



Product Architecture

Cisco Unified MeetingPlace Express is a software solution for voice and Web conferencing that runs on a single Cisco Media Convergence Server using a Linux-based operating system. Its design includes the following capabilities:

- **Telephony integration**—Standards H.323, SIP, and G.711 are supported for telephony integration with Cisco Unified CallManager, Cisco Unified CallManager Express, and other standards-based call-control systems. In Cisco Unified CallManager environments, advanced conferencing capabilities are exposed on supported IP phones (such as the Cisco Unified IP Phone 7940) through an Extensible Markup Language (XML) application.
- **Web conferencing access**—Web conferencing access is available from Windows, Mac OS, Linux, and Solaris platforms using standard browsers (such as Internet Explorer, Safari, and Firefox) and the Macromedia Flash Player. Encrypted access is supported through HTTPS and SSL.
- **Directory integration**—Facilitate user profile setup and authentication through Lightweight Directory Access Protocol (LDAP) directory integration with Cisco Unified CallManager, or with Cisco Unified CallManager using other standard directories (such as Microsoft Active Directory).
- **Microsoft Outlook and e-mail integration**—Set up and attend meetings from Microsoft Outlook using a plug-in that communicates with the Cisco Unified MeetingPlace Express server using HTTP or HTTPS. E-mail notifications are enabled in e-mail environments supporting Microsoft Exchange or Simple Mail Transfer Protocol (SMTP).
- **Network management**—Monitoring and alarming are supported through the Simple Network Management Protocol (SNMP).

Cisco Unified MeetingPlace Express can be deployed in numerous ways, including the following:

- On the internal network—This model typically provides for voice conferencing access from internal and external phones (using voice gateways), with Web conferencing access limited to those with access to the internal network.
- On the network edge—This model typically uses a demilitarized zone (DMZ) and provides for voice conferencing access from internal and external phones (using voice gateways), with Web conferencing access available to those with access to the internal network or the Internet.

Product Specifications

Table 1 provides specifications of Cisco Unified MeetingPlace Express.

Table 1. Product Specifications

Hardware compatibility	<p>Cisco Media Convergence Servers</p> <ul style="list-style-type: none"> • Voice and Web conferencing media convergence server part numbers: MCS-7825-H2-RC1, MCS-7825-I2-RC1, MCS-7825-H1-RC1, MCS-7825-I1-RC1, MCS-7835-H2-RC1, MCS-7835-I2-RC1, MCS-7835-H1-RC1, MCS-7835-I1-RC1, MCS-7845-H2-RC1, MCS-7845-I2-RC1, MCS-7845-H1-RC1, MCS-7845-I1-RC1, and MCS-7845H-3.0-IPC1 <p>Media-convergence-server part numbers for voice conferencing with lite meeting room only: MCS-7825H-3.0-IPC1, MCS-7825I-3.0-IPC1, MCS-7835H-3.0-IPC1, and MCS-7835I-3.0-IPC1</p> <p>Plus exact equivalent third-party servers (for information visit http://www.cisco.com/go/swonly; DVD drive required)</p>
Software compatibility—server	Cisco Linux-based operating system (included with system software orders)
Software compatibility—client	<p>Microsoft Windows</p> <ul style="list-style-type: none"> • Operating system: Windows 2000 Pro (SP2 or later), Windows 2000 Server Edition (SP2 or later), Windows 2000 Advanced Server (SP2 or later), or Windows XP (SP1 or later), or Windows Vista (Business or Enterprise) • Browser: Internet Explorer 5.5 or later; Netscape 7.1 or later; Mozilla 1.6 or later; or Firefox 1.0.3 or later • Flash Player: 6.0.79 or later <p>Apple Macintosh</p> <ul style="list-style-type: none"> • Operating system: Mac OS 9.2* or Mac OS 10.2 or later • Browser: Safari 1.1 or later; Netscape 7.1 or later; Mozilla 1.2.1* or 1.6 or later; or Firefox 1.0.3 or later • Flash Player: 6.0.79 or later <p>Linux**</p> <ul style="list-style-type: none"> • Operating system: Red Hat 9 or Red Hat Enterprise Linux 3 or later • Browser: Netscape 7.1 or later; Mozilla 1.4 or 1.6 or later; or Firefox 1.0.3 or later • Flash Player: 7.0 or later <p>Sun Solaris**</p> <ul style="list-style-type: none"> • Operating system: Solaris 9 or Solaris 10 • Browser: Netscape 7.1; Mozilla 1.4 or 1.7 or later; or Firefox 1.0.3 or later • Flash Player: 7.0 or later
Protocols	<ul style="list-style-type: none"> • H.323 v4 • SIP, RFC 3261 • G.711 • Real-Time Transport Protocol (RTP; RFC 3550) • RFC 2833 (RTP Payload for Dual Tone Multifrequency [DTMF] Digits) • Session Description Protocol (SDP; RFC 2327) • IPv4 • LDAPv3 • SMTP; RFC 2821 • SNMP Versions 1, 2c, and 3 • HTTPv1.1 • SSL Versions 2 and 3 (optional; customer provides certificates obtained from a broadly trusted certificate authority) • Network Time Protocol (NTP) Versions 3 and 4

MIBS	MIB-2, SYSAPPL-MIB, CISCO-CDP-MIB, and CISCO-LATITUDE-MIB
Network connectivity and bandwidth	Server: Two 100-Mbps or faster Ethernet connections Client <ul style="list-style-type: none"> • Phone: G.711 requires at least 84 kbps of available bandwidth in each direction; less bandwidth is required to the phone if transcoding a compressed codec (such as G.729) to G.711 • Web conference: At least a 56-kbps modem connection or faster***

* On Mac OS 9.2, Mozilla 1.2.1 is the only supported browser. Sharing a screen from Mac OS 9.2 is not available.

** Sharing a screen from this platform is not available. Viewing and annotating on screens shared from other platforms is available.

*** Modem users should not be simultaneously using other applications that compete for available bandwidth.

System Capacity

Cisco Unified MeetingPlace Express can support a variety of combinations of voice and Web conferencing capacity, as well as varying amounts of recording capacity (Table 2). The maximum meeting size is 200 concurrent users of voice conferencing and 200 concurrent users of Web conferencing. The system supports N/2 meetings, where N is the system capacity.

Table 2. System Capacity

Platform Part Number	Voice Conferencing Capacity	Web Conferencing Capacity	Recording Capacity
MCS-7845-H2-RC1, MCS-7845-H1-RC1, and MCS-7845-I1-RC1	20 to 200 concurrent users*	6 to 200 concurrent users*****	3200 hours of voice recordings**
MCS-7835-H2-RC1, MCS-7835-I2-RC1, MCS-7835-H1-RC1, and MCS-7835-I1-RC1	20 to 120 concurrent users*	6 to 120 concurrent users	2000 hours of voice recordings***
MCS-7825-H2-RC1, MCS-7825-I2-RC1, MCS-7825-H1-RC1, and MCS-7825-I1-RC1	20 to 40 concurrent users*	6 to 40 concurrent users	2000 hours of voice recordings***
MCS-7845H-3.0-IPC1	20 to 180 concurrent users*	6 to 120 concurrent users	3200 hours of voice recordings**
MCS-7835H-3.0-IPC1 and MCS-7835I-3.0-IPC1	20 to 120 concurrent users*	6 concurrent users	150 hours of voice recordings****
MCS-7825H-3.0-IPC1 and MCS-7825I-3.0-IPC1	20 to 40 concurrent users*	6 concurrent users	150 hours of voice recordings****

* Includes support for the noted number of concurrent users of the lite Web meeting room (for example, participant list and telephony controls)

** For 144-GB hard-drive system

*** For 72-GB hard-drive system

**** For 36-GB hard-drive system

***** 120 is the maximum when SSL is enabled

Features

Voice Conferencing

Voice conferencing features of Cisco Unified MeetingPlace Express include:

- Real-time mixing of up to three simultaneous speakers
- Adjustable input volume (gain) of each participant
- Entry and exit notification: beep plus name, beep, or silent
- Recording and playback (MP3)
- Breakout sessions (up to nine simultaneously per meeting)
- Automatic extension of meetings if capacity is available
- End-of-meeting warning

Meeting Management

Cisco Unified MeetingPlace Express includes the following interfaces that expose a variety of flexible meeting management capabilities.

- Touchtone phone—A voice prompt interface that allows users to specify commands and responses using the telephone keypad
- Web meeting room—A Web browser interface that provides meeting management capabilities from a computer; systems with Web conferencing have additional capabilities noted later in the “Web Conferencing” section
- IP phone application—An XML application that provides visual meeting management capabilities on supported Cisco Unified IP Phones

To facilitate meeting access and efficiency, the meeting information given in Table 3 is available to users during a meeting.

Table 3. Meeting Information

Meeting Information	Available from:		
	Touchtone Phone	Web	IP Phone Application
Dial-in number(s)	-	X	X
Meeting ID	-	X	X
Voice participants	X	X	X
Web participants	-	X	X
Participant count	X*	X	
Who is speaking	X	X	X
Who is sharing**	-	X	-
Web permissions	-	X	-
Web connection status	-	X	-
User status (for example, raise hand)	-	X	-
Recording status	X	X	X

* Voice participants

** Requires Web conferencing licenses

Numerous meeting management capabilities (Table 4) are available from a variety of interfaces to facilitate managing one's own session, others' sessions, and entire meetings.

Table 4. Meeting Management

Meeting Management Capability	Acts on:				Available from:		
	Self	Others	Voice Meeting	Web Meeting	Touchtone Phone	Web	IP Phone Application
Dial out to oneself	X	-	X	-	-	X	X
Dial out to others	-	X	X	-	X	X	-
Invite through e-mail	-	X	-	-	-	X	-
Mute oneself	X	-	X	-	X	X	X
Mute others	X	X	X	-	-	X	X
Adjust volume	X	X	X	-	-	X	-
Record meeting	X	X	X	-	X	X	X
Full-screen view of meeting room	X	-	-	X	-	X	-
Maximize and restore pod	X	X	-	X	-	X	-

Change announcements	X	X	X	-	-	-	X
Merge participant list entries	X	X	-	X	-	X	-
Rename participants	X	X	-	X	-	X	-
Change Web permissions	X	X	-	X	-	X	-
Change user status (for example, raise hand)	X	-	-	X	-	X	-
Clear user status	X	X	-	X	-	X	-
Change connection speed	X	-	-	X	-	X	-
Optimize room speed	X	X	-	X	-	X	-
Change room screen resolution	X	X	-	X	-	X	-
View what other permission levels see	X	-	-	X	-	X	-
Lock meeting	X	X	X	X	X	X	X
Screened entry to locked meeting	X	X	X	X	X	X	-
Eject users	X	X	X	X	X	X	X
End meeting	X	X	X	X	-	X	-

Web Conferencing

Cisco Unified MeetingPlace Express has many valuable features for Web conferencing:

- Easy access—Users easily access meetings from a variety of platforms using Web browsers and the broadly installed Flash Player.
- Firewall friendly—HTTP and HTTPS tunneling technology allows users behind firewalls to participate in Web conferences.
- Connection speed optimization—Cisco Unified MeetingPlace Express optimizes the Web conference performance to available bandwidth based on the user's selected connection speed.
- Screen sharing—Real-time screen sharing allows users to show others' applications, windows, or their entire desktop. A variety of sharing controls is available from the meeting room, the operating system, and the shared applications or windows.
- Flexible viewing options—Shared content can be viewed in a variety of ways to best suit the user.
 - Scaled view—Users see a view of the shared content that scales to fit the space available.
 - Scrolled view—Users see a full-size view of the shared content that may require scrolling to see the entire shared screen.
 - Meeting-room view—Users see the shared content in addition to the other pods. Either the scaled or scrolled view can be used.
 - Full-screen view—Users see only the shared content on their screens. Controls are available to select whether the full-screen view is effective for everyone or individuals, as well as if users can toggle the full screen themselves.
- Annotations—Users can collaborate over shared screens using markup tools such as a pencil, marker, line, rectangle, ellipse, text, and stamper. A variety of options is available to

print and edit annotations, including undo, redo, change color, change size, move, and delete.

- **Chat**—Users can send text messages to each other privately, to presenters, or to everyone. Options are available to control text size, select who can chat, determine if one sees chat notifications when the chat tool is not available, and clear the chat history.
- **Notes**—Users can use the note tool to type up a meeting agenda, track action items, or do anything else that requires that text be made visible to all in the meeting. Options are available for text size, text alignment, and creating and accessing multiple notes.

Meeting Setup and Attendance

Tasks related to meeting setup and attendance are well served by Cisco Unified MeetingPlace Express:

- **Integrated voice and Web conference setup**—Users can quickly and easily schedule and reschedule integrated voice and Web meetings in a single step from Microsoft Outlook and a variety of Web browsers.
- **Meeting types**—Cisco Unified MeetingPlace Express supports the following meeting types:
 - **Scheduled**—Users can reserve meeting resources in advance using Microsoft Outlook or a Web scheduling interface. A user's delegates also can schedule meetings.
 - **Recurring**—This type of scheduled meeting occurs at regular intervals (for example, weekly on Mondays for four weeks) and can be set up from Microsoft Outlook or the Web interface.
 - **Continuous**—This type of scheduled meeting is always available; it is set up from the Web interface and is commonly used for crisis management.
 - **Reservationless**—Users can hold meetings using a personal meeting ID without the need for advance scheduling. Reservationless meetings can be initiated from Microsoft Outlook, a touchtone phone, the Web, or the IP phone application.
 - **Impromptu Web conferencing**—From Cisco Unified Personal Communicator, users can launch a simple screen-sharing interface on demand.
- **E-mail invitations**—Meetings set up from the Web interface or Outlook can generate Microsoft Outlook calendar invitations that include the ability to easily populate a user's calendar with the meeting information, which is highly customizable by the system administrator. Using standard SMTP e-mail, invitations can be sent to meeting invitees in either HTML or text format.
- **Flexible attendance options**—Users have numerous options available when attending meetings:
 - **Dial in**—Users can dial directly into the voice meeting using the dial-in number and meeting ID.
 - **Click-to-attend link**—Users can click a URL in Outlook and in e-mail invitations that takes them to a Webpage providing an option to attend the voice and Web meetings simultaneously.
 - **Join from the Web**—Users can go to the system URL and either find the meeting or specify the meeting ID to reach a Webpage providing options to dial out to a specified phone and join the Web meeting.
 - **Dial out from IP phone application**—Users with supported Cisco Unified IP Phones can find the meeting or specify the meeting ID to have the system call their IP phone.

- Find me—Users can specify a series of phone numbers that the system calls when a meeting starts that they are associated with by user profile.

Administration

Meeting administrators have a rich tool set in Cisco Unified MeetingPlace Express:

- Web administration center—A Web interface provides system administration capabilities for user management, system configuration, maintenance, reporting, monitoring, and interface configuration.
- User provisioning—User profile creation can be handled in the following ways:
 - Automated profile creation—Directory integration (for example, with Cisco Unified CallManager) automates profile creation by establishing an account on Cisco Unified MeetingPlace Express the first time a user successfully authenticates using credentials accepted by the integrated directory.
 - Profile import—User profiles can be batch imported into the system.
 - Manual profile creation—Using the Web administration interface, profiles can be manually added to the system.
- Group management—Groups can be created and associated with user profiles to facilitate administration of similar user types.
- System configuration and maintenance—Numerous parameters and options are available to configure and maintain the system:
 - Usage configuration—Twelve- or 24-hour time, attendant dial-out, language configuration, minimum password lengths, password expiration, alarm dial-out, guest dial-out, directory integration parameters, and system phone numbers and labels
 - Meeting configuration—Capacity management, overbooking, maximum and default meeting sizes, maximum and default meeting lengths, meeting ID guard times, meeting extension, meeting warnings, minimum meeting password length, advance scheduling limit, meeting and recording purging, minimum meeting ID length, vanity meeting IDs, and reservationless parameters
 - Outlook plug-in configuration—Configuration parameters that are automatically set in the plug-in for setting up and attending meetings from Microsoft Outlook
 - Call configuration—H.323, SIP, dial out, direct meeting dial-in, and IP voice parameters
 - E-mail configuration—SMTP servers, Exchange server, Exchange user account, and e-mail templates
 - SNMP settings—Community strings and notification destinations
 - Licensing—Installing and viewing licenses
 - Backup—Backing up and archiving, local and remote configuration, and e-mail notification
 - E-mail blast—E-mail sent to a group or all users with a message regarding the system
 - Import information—Importing of settings for groups and meetings (such as batch updates), as well as transferring meetings from Cisco Conference Connection
 - SSL certificate management—Installing, enabling, and managing SSL certificates
- Reporting and monitoring—Numerous predefined reports, data exports, and monitoring and alarm tools are provided:
 - Meeting cancellation report—Details about canceled meetings

- Billing report—Minutes of voice and Web conferencing that can be billed by billing code
- Usage report—Capacity usage report comparing scheduled versus used resources
- Disk usage report—Details about hard-disk usage and available space
- Data export—Export data for external analysis and reporting, including information about user profiles, groups, meeting details, dial-out activity, meeting participants, participants attending and exiting meetings, and scheduling failures
- E-mail queue status report—Tool to monitor and manage e-mail notifications in queue
- Media statistics reports—Statistics and information regarding conference media
- In-session monitoring—Tool to monitor active meetings
- System logs—A variety of system logs for monitoring and troubleshooting
- Alarms—Viewing and exporting system alarms
- System status—Viewing a snapshot of system status for monitoring and troubleshooting
- Interface configuration—The interface can be configured for voice prompts and a select set of Webpages:
 - Voice prompts—Install custom voice prompts that are played on the phone
 - Custom logo—Add a company or other logo to Webpages
 - Schedule meeting page—Configure fields that are available to users on the scheduling page
 - User profile page—Configure fields that are available to users on the user profile page
 - Outlook plug-in download—Select Webpages from where the Outlook plug-in can be downloaded
- Multilanguage support for voice prompts—English (United States), English (United Kingdom), English (Australia), French (France and Canada), German, Japanese, and Korean are supported.
- Multilanguage support for Web interfaces—English (United States), French (France), German, Japanese, and Korean are supported.

Security

Cisco Unified MeetingPlace Express has the following security features:

- Dedicated on-net system—The dedicated Cisco Unified MeetingPlace Express system is integrated with the organization's private network. Maximum security can be provided by deploying the system such that only those on the private network can access meetings.
- Access authentication—In addition to using the option of a meeting password, meeting organizers can require that participants authenticate themselves using individual logins to attend a meeting and to access the associated recording. Further, Cisco Unified MeetingPlace Express can automatically block out users after multiple failed login attempts.
- Integrated authentication—Cisco Unified MeetingPlace Express integrates with corporate directories (such as Cisco Unified CallManager) to make authentication consistent across systems.
- Encryption—Cisco Unified MeetingPlace Express supports encrypted Webpages and Web conferencing traffic using SSL. User passwords are encrypted in the database using a one-way hash.

- In-session meeting controls—Meeting owners can change Web conferencing permissions, specify announced entry and departure, require passwords, lock the meeting, and eject unwanted attendees.

System Requirements

Table 5 gives system requirements of Cisco Unified MeetingPlace Express.

Table 5. System Requirements

Call-control system	<ul style="list-style-type: none"> • Cisco Unified CallManager, version 3.3 or later • Cisco Unified CallManager Express 3.3 or later • Cisco SIP Proxy Server Version 2.11 or later • Standards-based H.323 or SIP call-control systems
Quality of service (QoS)	Network enabled with Differentiated Services (DiffServ; RFCs 2474 and 2475) QoS for voice traffic
Directory	<ul style="list-style-type: none"> • Cisco Unified CallManager 3.3 or later • Cisco Unified CallManager 3.3 or later using Microsoft Active Directory 2000 or later • Cisco Unified CallManager 3.3 or later using SunONE Directory Server 5.2 • Cisco Unified CallManager 3.3 or later using Netscape Directory Server 4.x
IP phones supporting the XML application	<ul style="list-style-type: none"> • Cisco Unified IP Phone 7940 models • Cisco Unified IP Phone 7960 models • Cisco Unified IP Phone 7970 models • Cisco IP Communicator 1.1(5) or later
Endpoints supporting impromptu Web conferencing	Cisco Unified Personal Communicator 1.1 or later
Microsoft Outlook Microsoft Exchange	Microsoft Outlook 2000, 2002 (XP), or 2003 Microsoft Exchange 2000 or 2003

Ordering Information

To place an order, contact your local Cisco representative; for information, visit the ordering home page on the Cisco Website or refer to Table 6.

Table 6. Ordering Information

Product Name	Part Number
Cisco Unified MeetingPlace Express 1.2 SE Bundle, 20V, 6W Concurrent ULs	MPE-SE
Cisco Unified MeetingPlace Express Small Package Upgrade, 1Voice Concurrent UL	MPE-SMALL-1V
Cisco Unified MeetingPlace Express 1.2 ME Bundle, 25V, 6W Concurrent ULs	MPE-ME
Cisco Unified MeetingPlace Express Medium Package Upgrade, 1Voice Concurrent UL	MPE-MED-1V
Cisco Unified MeetingPlace Express 1.1 LE Bundle-85V,6W Concurrent ULs	MPE-LE
Cisco Unified MeetingPlace Express LE Package Upg-1 Voice Concurrent UL	MPE-LE-1V
Cisco Unified MeetingPlace Express Web License, 1 Concurrent UL	MPE-PLUS1-W
Cisco Unified MeetingPlace Express Language License, 2 or more languages	MPE-LANG(=)
Cisco Unified MeetingPlace Express Voice License Pack Upgrade, 10 Concurrent ULs	MPE-PLUS10-V-UPG=
Cisco Unified MeetingPlace Express Voice License Pack Upgrade, 40 Concurrent ULs	MPE-PLUS40-V-UPG(=)
Cisco Unified MeetingPlace Express Voice License Pack Upgrade, 80 Concurrent ULs	MPE-PLUS80-V-UPG=
Cisco Unified MeetingPlace Express Web License Pack, 10 Concurrent ULs	MPE-PLUS10-W(=)
Cisco Unified MeetingPlace Express Outlook Integration	MPE-OUTLOOK(=)

Cisco Services

Using the Cisco Lifecycle Services approach, Cisco and its partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications system. These services are based

on proven methodologies for deploying, operating, and optimizing IP communications solutions. For example, initial planning and design services can help you meet aggressive deployment schedules and minimize network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support, and optimize services enhance solution performance for operational excellence. Cisco and its partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

For More Information

For more information about Cisco Unified MeetingPlace Express, visit <http://www.cisco.com/go/meetingplaceexpress> or contact your local Cisco account representative.



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