

Cisco TelePresence System 1000 MXP

Figure 1. Cisco TelePresence System 1000 MXP



Plug in a PC to instantly share presentations

The Cisco TelePresence™ portfolio creates an immersive, face-to-face experience over the network—empowering you to collaborate with others like never before. Through a powerful combination of technologies and design that allows you and remote participants to feel as if you are all in the same room, the Cisco TelePresence portfolio has the potential to provide great productivity benefits and transform your business. Many organizations are already using it to control costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

Product Overview

The Cisco TelePresence System 1000 MXP (1000 MXP) is ideal for home offices or cubicles (Figure 1). This compact, fully integrated system delivers video and collaboration capabilities that are available at a moment's notice. With this system on your desk, you can place calls quickly and get answers even faster.

Cisco TelePresence System 1000 MXP Features

Table 1 summarizes the key features for the Cisco TelePresence System 1000 MXP.

Table 1. Cisco TelePresence System 1000 MXP Feature Summary

Feature Summary	
Design Features	<ul style="list-style-type: none">• Designed for home workers and cubicles• Completely integrated system including camera, 12.1-in. XGA LCD screen, speakers, cables, and microphone• Thin portable frame
Application Features	<ul style="list-style-type: none">• Powerful live presentations through one-step PC plug-in or LAN connection• Streaming capabilities• Send and view presentations and presenter simultaneously with dual-stream technology• Cisco TelePresence Expressway technology• Uniform Resource Identifier (URI) dialing• Cisco TelePresence Multiway™ technology, which intuitively and instantly integrates multiple-party video calls using a Cisco TelePresence MCU and Cisco TelePresence Video Communication Server (Cisco VCS)
Performance Features	<ul style="list-style-type: none">• Choice of network: Up to 384-kbps ISDN or 768-kbps IP (H.323 or SIP)• Superior video quality incorporating the H.264 standard• High level of embedded encryption as well as IEEE 802.1x and H.235 authentication for security• Protection against network interruptions with automatic downspeeding and Intelligent Packet Loss Recovery (IPLR)

Product Capabilities

Table 2 lists the product capability specifications for the Cisco TelePresence System 1000 MXP.

Table 2. Product Specifications

Specification	Description
Unit Delivered Complete With:	<ul style="list-style-type: none">• Wireless remote control, built-in camera, microphone, speakers, cables, 12.1-in. LCD screen, and table-top stand
LCD Screen	<ul style="list-style-type: none">• Wide-view angle screen• XGA resolution• Auto or manual brightness
Bandwidth	<ul style="list-style-type: none">• H.320 up to 384 kbps• H.323 up to 768 kbps• SIP up to 768 kbps
Firewall Traversal	<ul style="list-style-type: none">• Cisco TelePresence Video Communication Server Expressway (Cisco VCS Expressway) technology• Auto-Network Address Translation (Auto-NAT)• H.460.18 and H.460.19 Firewall Traversal• SIP ICE
Video Standards	<ul style="list-style-type: none">• H.261, H.263, H.263+, H.264
Video Features	<ul style="list-style-type: none">• Intelligent video management• Picture in Picture• Dual monitor emulation (side by side)• PC zoom• Simultaneous video conference and local PC mode• Local auto layout
Video Inputs (1 Input)	<ul style="list-style-type: none">• Built-in main camera• One DVI-I/SXGA: PC• Input: 800 x 600 (@ 60, 72, 75, or 85 Hz), 1024 x 768 (@ 60, 70, or 75 Hz), 1280 x 1024 @ 60 Hz• Extended display identification data (EDID)

Specification	Description
Video Format	<ul style="list-style-type: none"> • NTSC, PAL, VGA, SVGA, XGA, or SXGA
Live Video Resolutions	<p>Native NTSC:</p> <ul style="list-style-type: none"> • 400p (528 x 400 pixels) receive only • 4SIF (704 x 480 pixels), digital clarity • Interlaced SIF (iSIF 352 x 480 pixels), natural video • SIF (352 x 240 pixels) <p>Native PAL:</p> <ul style="list-style-type: none"> • 448p (576 x 448 pixels) receive only • 4CIF (704 x 576 pixels), digital clarity • Interlaced CIF (iCIF 352 x 576 pixels), natural video • CIF (352 x 288 pixels) • QCIF (176 x 144 pixels) • SQCIF (128 x 96 pixels) decode only <p>Native PC Resolutions:</p> <ul style="list-style-type: none"> • XGA (1024 x 768) • SVGA (800 x 600 pixels) • VGA (640 x 480 pixels) <p>Wide Resolutions:</p> <ul style="list-style-type: none"> • w288p (512 x 288 pixels) receive only • w448p (768 x 448 pixels) receive only • w576p (1024 x 576 pixels) receive only • w720p (1280 x 720 pixels) receive only
Still Image Transfer	<ul style="list-style-type: none"> • CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, and XGA
Audio Standards	<ul style="list-style-type: none"> • G.711, G.722, G.722.1, G.728, and 64-bit MPEG4 AAC-LD
Audio Features	<ul style="list-style-type: none"> • CD-quality 20-kHz mono • Automatic noise reduction • Acoustic echo canceller • Automatic gain control • Packet-loss management • Active lip synchronization • Global System for Mobile Communications (GSM) interference audio feature • Assistive Listening Devices (ALD) support with acoustic echo cancellation
Privacy Feature	<ul style="list-style-type: none"> • Headset, 2.5-mm mini jack
Frame Rates	<ul style="list-style-type: none"> • 30 frames per second @ 168 kbps and above
Dual Stream	<ul style="list-style-type: none"> • DuoVideo • H.239 dual stream • Dynamic bandwidth adjustment (H.323) • Available on H.323, H.320, and SIP • Binary Floor Control Protocol (BFCP)
Network Features	<ul style="list-style-type: none"> • Auto H.320 and H.323 dialing • SIP • Downspeeding • Programmable network profiles • Intelligent call management • Maximum call-length timer • Automatic service profile identifier (SPID) and line number configuration (National ISDN, GR-2941-CORE) • SoftMux • URI dialing • Direct Domain Name System (DNS) dialing
Multisite Features	<ul style="list-style-type: none"> • Cisco TelePresence Multiway technology

Specification	Description
Embedded Encryption	<ul style="list-style-type: none"> • H.323, H.320, and SIP point-to-point and multipoint calls • Standards-based: H.233, H.234, H.235v2 and v3, Digital Encryption Standard (DES), and Advanced Encryption Standard (AES) • National Institute of Standards and Technology (NIST)-validated AES • NIST-validated DES • Automatic key generation and exchange • Supported in dual stream
IP Network Features	<ul style="list-style-type: none"> • IEEE 802.1x/Extensible Authentication Protocol (EAP) network authentication • H.235 Gatekeeper Authentication • DNS lookup for service configuration • Differentiated Services (DiffServ) • Resource Reservation Protocol (RSVP) • IP Precedence • IP type of service (ToS) • IP adaptive bandwidth management (including flow control) • Auto gatekeeper discovery • Dynamic playout and lip-sync buffering • Intelligent Packet Loss Recovery (IPLR) • H.245 dual tone multifrequency (DTMF) tones in H.323 • RFC 2833 DTMF out of band for SIP • IP address conflict warning • Date and time support through Network Time Protocol (NTP) • Call services
IPv6 Network Support	<ul style="list-style-type: none"> • Dual-stack IPv4 and IPv6 simultaneous support • Net service support on IPv6: Telnet, Secure Shell (SSH) Protocol, HTTP, Secure HTTP (HTTPS), FTP, Simple Network Management Protocol (SNMP), DNS, NTP, and Dynamic Host Configuration Protocol (DHCP) • Media support on IPv6: H.323, SIP, and streaming
Security Features	<ul style="list-style-type: none"> • Management through HTTPS and SSH • IP administration password • Menu administration password • Dialing access code • Streaming password • H.243 Multipoint Control Unit (MCU) Password • Virtual Network Computing (VNC) Password • SNMP security alerts • Disable IP services • Message Digest Algorithm 5 (MD-5) Challenge • Network settings protection • SIP authentication through NT LAN Manager (NTLM) • SIP authentication through digest • Federal Information Processing Standards (FIPS) mode
Network Interfaces	<ul style="list-style-type: none"> • Three ISDN Basic Rate Interface (BRI) (RJ-45) ports S-interfaces • One LAN/Ethernet (RJ-45) 10-/100-Mb (LAN/DSL/cable modem) • One USBfnet used
Wireless LAN Support	<ul style="list-style-type: none"> • Compliant with IEEE 802.11b, up to 11 Mb • Support for 64-/128-bit encryption (Wired Equivalent Privacy [WEP]) • Infrastructure or ad-hoc mode
Ethernet,/Internet, and/Intranet Connectivity	<ul style="list-style-type: none"> • TCP/IP, DHCP, Address Resolution Protocol (ARP), FTP, Telnet, HTTP, HTTPS, Simple Object Access Protocol (SOAP) and XML, and MD-5 Challenge • SNMP enterprise management • Internal web server • Internal streaming server

Specification	Description
Other Major Standards Supported	<ul style="list-style-type: none"> • H.231, H.233, H.234, H.235v2 and v3, H.239, H.241, H.243, H.281, BONDING (ISO 13871), H.320, H.323, and H.331 • RFCs 3261, 2237, 3264, 3311, 3550, 2032, 2190, 2429, and 3407
Camera	<ul style="list-style-type: none"> • 1/4-in. CCD • 752(H) x 582(V) resolution • Lens: f = 4 mm F1:1.2 • 64° horizontal field of view • 49° vertical field of view • Minimum illumination 5.0 lux (video output 50%, AGC on) • Manual focus
Closed Captioning or Text Chat	<ul style="list-style-type: none"> • T.140 text chat available from Telnet, web, and user interface
Presentations and Collaboration	<ul style="list-style-type: none"> • Natural Presenter Package including: <ul style="list-style-type: none"> ◦ PC presenter (DVI-I, SXGA In) ◦ PC SoftPresenter • Digital clarity and native formats • Dual monitor emulation (side by side) • Streaming compatible with Cisco IP/TV, Apple QuickTime, RealPlayer v8, etc.
System Management	<ul style="list-style-type: none"> • Support for the Cisco TelePresence Management Suite (Cisco TMS) • Total management through embedded web server, SNMP, Telnet, SSH, FTP, and SOAP • Remote software upload: Through web server or FTP server or ISDN • External services from Cisco TMS
Directory Services	<ul style="list-style-type: none"> • Support for Local Directories (My Contacts), Corporate Directory, and Global Directory • Unlimited entries using Server directory* supporting Lightweight Directory Access Protocol (LDAP) and H.350 • Unlimited number for Corporate directory (through Cisco TMS) • 400-number global directory • 200-number local directory • Directories in local languages • Received calls with date and time • Placed calls with date and time • Missed calls with date and time • Last number dialed
Seventeen Selectable Menu Languages	<ul style="list-style-type: none"> • Arabic, Simplified Chinese, Traditional Chinese, Danish, English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Suomi, Swedish, Finnish, Catalan, Dutch, Polish and Thai • Chinese, Korean, Japanese, and Russian Input Method Editors
Customized Welcome Screen and Company Logo	<ul style="list-style-type: none"> • Picture JPEG (logo.jpg): Recommended maximum size is 704 x 576 for welcome screen and 352 x 288 for encryption required screen
Power	<ul style="list-style-type: none"> • Autosensing power supply • 100–250 VAC, 50–60 Hz • 45 watts maximum
Operating Temperature and Humidity	<ul style="list-style-type: none"> • 32 to 95°F (0 to 35°C) ambient temperature • 10% to 90% relative humidity (RH)
Storage and Transport Temperature	<ul style="list-style-type: none"> • –4 to 140°F (–20 to 60°C) at RH 10–90% (noncondensing)
Unit Dimensions	<ul style="list-style-type: none"> • Height: 17.7 in. (45.0 cm) • Width: 11.8 in. (30.0 cm) • Depth: 2.6 in. (6.6 cm) • Weight: 9.0 lb (4.1 kg)

* Requires Cisco TelePresence Management Suite (TMS) 9 or newer.

Regulatory Compliance

- Directive 73/23/EEC (Low-Voltage Directive)
 - Standard EN 60950
- Directive 89/336/EEC (EMC Directive)
 - Standard EN 55022, Class B
 - Standard EN 55024
 - Standard EN 61000-3-2/-3-3
- Directive 1999/5/EEC (R&TTE Directive)
 - Standard TBR3
- Approved according to UL 60950 and CAN/CSA C22.2 No. 60950
- Complies with FCC15B Class B

Ordering Information

To place an order, please contact your Cisco sales representative.

Table 3. Ordering Information

Product Name	Part Number	Compliance Model Number
Cisco TelePresence System 1000 MXP	CTS-MXP-1000-K9	TTC7-12
Comes with: Cisco TelePresence System 1000 MXP unit, remote control, cables		
Video Standard Options – choose one		
1000 MXP Unit NTSC	CTS-MXP-1000N-K9	TTC7-12
1000 MXP Unit PAL	CTS-MXP-1000P-K9	TTC7-12
Software License Bandwidth Options		
1000 MXP 0/768 software feature option	LIC-MXP-1000-BWD	
1000 MXP bandwidth option 384k ISDN 768k IP	LIC-MXP-1000-BWH	
Software License Feature Options		
1000 Natural Presenter Package option for 1000 MXP	LIC-MXP-1000-NPP	
Accessories for 1000 MXP		
1000 MXP Suitcase	CTS-MXP-1000-STC	
1000 MXP wall mount kit	CTS-MXP-1000-WMK	

Service and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, anytime. For more information about these services, visit: <http://www.cisco.com/go/telepresenceservices>.

For More Information

For more information about the Cisco TelePresence System 1000 MXP, visit

<http://www.cisco.com/go/telepresence> or contact your local Cisco account representative or authorized Cisco partner. Product specifications are estimates and subject to change without notice.



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