

Cisco TelePresence System Edge 95 MXP and Cisco TelePresence System Edge 75 MXP

Figure 1. Cisco TelePresence System Edge MXP Series



The Cisco TelePresence® portfolio creates an immersive, face-to-face experience over the network, empowering you to collaborate with others as 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

Connect team members for more productive meetings with the Cisco TelePresence System Edge MXP Series (Edge MXP Series) (Figure 1). These easy-to-install units turn a meeting room with a flat screen into an interactive situation room for improved teamwork and accelerated decision making.

Cisco TelePresence System Edge 95 MXP and Cisco TelePresence System Edge 75 MXP Features

Table 1 summarizes the main features for the Cisco TelePresence System Edge 95 MXP (Edge 95 MXP) and Cisco TelePresence System Edge 75 MXP (Edge 75 MXP).

Table 1. Cisco TelePresence System Edge 95 MXP and Cisco TelePresence System Edge 75 MXP Features

Feature	Description
Design features	<ul style="list-style-type: none"> Designed for medium-size to small meeting rooms Transforms a flat-panel display into a high-definition, interactive meeting space Uses Cisco TelePresence PrecisionHD Cameras
Application features	<ul style="list-style-type: none"> Joins up to four video and three audio sites with optional embedded Cisco TelePresence MultiSite (MultiSite) and bandwidth capabilities

	<ul style="list-style-type: none"> • Provides best possible call for each MultiSite participant with rate matching and transcoding • Intuitively and instantly integrates multiple-party video using a Cisco TelePresence MCU multipoint control unit and Cisco TelePresence Video Communication Server (Cisco VCS) • Enables powerful live presentations through one-step PC plug-in or LAN connection • Lets users view presentations and the presenter simultaneously with DuoVideo and H.239 Dual Stream • Uses Cisco TelePresence Expressway technology (Expressway) • Offers Uniform Resource Identifier (URI) dialing
Performance features	<ul style="list-style-type: none"> • Offers Choice of network: up to 512-kbps ISDN (H.320) or 2-Mbps IP (H.323 or Session Initiation Protocol [SIP]) • Provides highest level of embedded encryption as well as H.235 and IEEE 802.1x authentication • Provides true CD-quality audio • Protects against network interruptions in point-to-point and multipoint calls with automatic down-speeding and Intelligent Packet Loss Recovery (IPLR) • Provides superior video quality incorporating the H.264 standard

Product Specifications

Table 2 lists the specifications for the Edge 95 MXP and Edge 75 MXP.

Table 2. Product Specifications

Specification	Description
Unit components	<ul style="list-style-type: none"> • Wireless remote control, Cisco TelePresence PrecisionHD Camera, microphone, and cables
Default bandwidth	Cisco TelePresence System Edge 95 MXP: <ul style="list-style-type: none"> • H.320: 512 kbps • H.323 and SIP: 2 Mbps Cisco TelePresence System Edge 75 MXP: <ul style="list-style-type: none"> • H.320: 128 kbps • H.323 and SIP: 768 kbps
Firewall traversal	<ul style="list-style-type: none"> • Cisco TelePresence Expressway technology • Automatic Network Address Translation (NAT) • H.460.18 and H.460.19 firewall traversal • SIP Interactive Connectivity Establishment (ICE)
Video standards	<ul style="list-style-type: none"> • H.261, H.263, H.263+, H.263++ (natural video), and H.264
Video features	<ul style="list-style-type: none"> • Native 16:9 widescreen • Advanced screen layouts • Picture-in-picture (PIP) • Picture-outside-picture and large picture-outside-picture • Side by side • PC zoom • Intelligent video management • Simultaneous videoconference and local PC mode • Local autolayout
Video inputs (5 inputs)	<ul style="list-style-type: none"> • 1 x 9 PinDSUB: HD main camera • 1 x MiniDin, S-video: auxiliary or document camera • 1 x RCA/Phono, composite: auxiliary or document camera • 1 x RCA/Phono, composite: VCR • 1 x DVI-I: PC • Input: 800 x 600 (at 60, 72, 75, and 85 Hz); 1024 x 768 (at 60, 70, and 75 Hz); 1280 x 720 (HD720P; at 50 and 60 Hz); 1280 x 1024 (at 60 Hz); and 1280 x 768, 1280x800, 1360x768, and 1366x768 (at 60 Hz) • Extended display identification data (EDID)
Video outputs (4 outputs)	<ul style="list-style-type: none"> • 1 x MiniDin, S-video: main monitor • 1 x RCA/Phono, composite: main monitor or VCR • 1 x RCA/Phono, composite: dual monitor or VCR • 1xDVI-1/XGA: main or second monitor • XGA output • 800 x 600 at 75 Hz, 1024 x 768 at 60 Hz, 1280 x 768 (WXGA) at 60 Hz, 1280 x 720 (HD720p) at 60 Hz, and 1280

Specification	Description
	<ul style="list-style-type: none"> x 800 at 60 Hz VESA monitor power management
Video format	<ul style="list-style-type: none"> NTSC, PAL, VGA, SVGA, XGA, WXGA, SXGA, and HD720p
Live video resolutions	<p>Native NTSC:</p> <ul style="list-style-type: none"> 400p (528 x 400 pixels) 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) 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) WXGA (1280 x 768 pixels) <p>Wide resolutions:</p> <ul style="list-style-type: none"> w288p (512 x 288 pixels) w448p (768 x 448 pixels) w576p (1024 x 576 pixels) w720p (1280 x 720 pixels)
Still image transfer	<ul style="list-style-type: none"> CIF, SIF, 4CIF (H.261 Annex D), 4SIF, VGA, SVGA, XGA, and WXGA
Audio standards	<ul style="list-style-type: none"> G.711, G.722, G.722.1, G.728, and 64-bit and 128-bit MPEG4 AAC-LD
Audio features	<ul style="list-style-type: none"> CD-quality 20-kHz mono and stereo Telephone add-on using MultiSite Two separate acoustic echo cancellers Audio mixer Automatic gain control (AGC) Automatic noise reduction Audio-level meters VCR ducking Optional stereo package Packet loss management Active lip synchronization GSM and RIM Blackberry interference audio feature Assistive listening device (ALD) support with acoustic echo cancellation
Audio inputs (4 inputs)	<ul style="list-style-type: none"> 2 x microphone, 24V phantom powered, XLR connector 1 x RCA/Phono, line level: auxiliary (or VCR stereo L) 1 x RCA/Phono, line level: VCR/DVD (stereo R)
Audio outputs (2 outputs)	<ul style="list-style-type: none"> 1 x RCA/Phono, S/PDIF (mono and stereo) or analog line level: main audio or analog stereo L 1 x RCA/Phono, line level: VCR or analog stereo R
Frame rates	<ul style="list-style-type: none"> 30 frames per second (fps) at 168 kbps and higher
Dual Stream	<ul style="list-style-type: none"> DuoVideo H.239 and Binary Floor Control Protocol (BFCP) Dual Stream Dynamic bandwidth adjustment (H.323) Available on SIP, H.323, and H.320 Available in MultiSite from any site (Cisco TelePresence System Edge 95 MXP only)
Network features	<ul style="list-style-type: none"> Auto H.320 and H.323 dialing SIP

Specification	Description
	<ul style="list-style-type: none"> • Downspeeding • Programmable network profiles • Intelligent call management • Maximum call length timer • Automatic service provider ID (SPID) and line number configuration (national ISDN and GR-2941-CORE) • SoftMux • H.331 broadcast mode • URI dialing • Direct Domain Name System (DNS) dialing
MultiSite features (Cisco TelePresence System Edge 95 MXP only)	<ul style="list-style-type: none"> • H.323, H.320, SIP, telephony, and voice over IP (VoIP) in the same conference • Audio and video transcoding • Video rate matching from 56 kbps (maximum conference rate) • CP4 and voice switched • Best impression (automatic control protocol layouts) • H.264, encryption, and Digital Clarity • Dual Stream from any site • ISDN and IP downspeeding and IPLR • MultiSite (H.243) cascading on H.320 and H.323 • Unicode H.243 terminal names • Dial in and dial out • Chair control for host system • Snapshot of ongoing conference (JPEG) • Snapshot of ongoing DuoVideo or H.239 presentation (JPEG) • Separate welcome page for encrypted conferences • Conference rates of up to 2.3 Mbps with optional bandwidth upgrade (1.5 Mbps is standard conference rate) • Up to 4 video and 3 audio sites • 4 sites at 768 kbps (plus telephone calls) • Mix ISDN Basic Rate Interface (BRI) and IP up to maximum conference rate
Embedded encryption	<ul style="list-style-type: none"> • H.320 and H.323 point-to-point and multipoint calls • Standards-based: H.233, H.234, H.235 v2 and v3, Data Encryption Standard (DES), and Advanced Encryption Standard (AES) • NIST-validated AES • NIST-validated DES • Automatic key generation and exchange • Supported in Dual Stream and MultiSite
IP network features	<ul style="list-style-type: none"> • IEEE 802.1x and Extensible Authentication Protocol (EAP) network authentication • H.235 gatekeeper authentication • DNS lookup for service configuration • Differentiated services (DiffServ) • IP precedence • IP type of service (ToS) • IP adaptive bandwidth management (including flow control) • Autogatekeeper discovery • Dynamic playout and lip-sync buffering • IPLR • H.245 dual-tone multi-frequency (DTMF) tones in H.323 • Cisco® Unified Communications Manager integration through gatekeeper or SIP trunk • 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, SSH, 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

Specification	Description
	<ul style="list-style-type: none"> • IP administration password • Menu administration password • Dialing access code • Streaming password • H.243 MCU password • Virtual network computing (VNC) password • SNMP security alerts • Disable IP services • MD-5 challenge • Network settings protection • SIP authentication through NT LAN Manager (NTLM) • SIP authentication through digest
Network interfaces	<ul style="list-style-type: none"> • 4 x ISDN BRI (RJ-45), S-interface • 1 x LAN and Ethernet (RJ-45) 10/100 Mbps (LAN, DSL, and cable modem) • 1 x USB for future use
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
Other major standards supported	<ul style="list-style-type: none"> • H.231, H.233, H.234, H.235 v2 and v3, H.239, H.241, H.243, H.281, Bonding (ISO 13871), H.320, H.323, and H.331 • RFC 3261, RFC 2237, RFC 3264, RC 3311, RFC 3550, RFC 2032, RFC 2190, RFC 2429, and RFC 3407
Cisco TelePresence PrecisionHD Camera	<ul style="list-style-type: none"> • 7 x zoom 1/3-inch complementary metal oxide semiconductor (CMOS) with 10 to -20°tilt and + or - 90°pan • 42°vertical field of view • 72°total vertical field of view • 70°horizontal field of view • 250°total horizontal field of view • Focus distance of 0.3m to infinity • 1280 x 720 pixels progressive at 30fps • Automatic or manual focus, brightness, and white balance • Far-end camera control • 15 near- and far-end camera presets • Voice-activated camera positioning • Daisy-chain support (Visca protocol camera)
Closed captioning and text chat	<ul style="list-style-type: none"> • T.140 text chat available from Telnet, web, and user interface
Presentations and collaboration	<p>Natural Presenter Package including:</p> <ul style="list-style-type: none"> • PC Presenter (DVI-I and SXGA in) • PC SoftPresenter • Digital Clarity and native formats • Advanced video layouts • 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, FTP server, or ISDN • 1 x RS-232 local control and diagnostics • Remote control and on-screen menu system • 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 numbers for corporate directory (through Cisco TMS) • 400-number global directory • 200-number local directory

Specification	Description
	<ul style="list-style-type: none"> • 16 dedicated MultiSite entries • Directories in local languages • Received calls with date and time • Placed calls with date and time • Missed calls with date and time
17 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, and Thai • Chinese, Korean, and Japanese input method editor • Import custom language through Cisco TMS
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 to 250 VAC and 50 to 60 Hz • 40 watts (W) 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 to 90% (noncondens sing)
Unit dimensions	<ul style="list-style-type: none"> • Height: 16.9 inches (42.9 cm) • Width (including footstand): 5.7 inches (14.5 cm) • Depth (including footstand): 9.0 inches (22.8 cm) • Weight: 7.7 lb (3.5 kg)

* Requires Cisco Management Suite 9 or later.

Note: Product specifications are estimates and subject to change without notice.

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 and 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, visit the [Cisco Ordering homepage](#). Table 3 provides ordering information.

Table 3. Ordering Information

Product Name	Part Number
Cisco TelePresence System Edge 95 MXP	CTS-EDGE95-K9
Comes with: Edge MXP codec, 512 kbps ISDN/2 Mbps IP bandwidth, Natural Presenter Package, MultiSite, Cisco TelePresence PrecisionHD Camera 720p, 1 microphone, remote control	
Video Standard Options - Choose One	
CTS-NTSC for Edge MXP	CTS-NTSC
PAL Option for Edge MXP	CTS-PAL

Product Name	Part Number
Cisco TelePresence System Edge 75 MXP	CTS-EDGE75-K9
Comes with: Edge MXP codec, 128 kbps ISDN/768 kbps IP bandwidth, Natural Presenter Package, Cisco TelePresence PrecisionHD Camera 720p, 1 microphone, remote control	
Video Standard Options (Choose One)	
CTS-NTSC for Edge MXP	CTS-NTSC
PAL Option for Edge MXP	CTS-PAL
Bandwidth Software Feature Options for Edge 75 MXP	
512kbps ISDN 2Mbps IP Bandwidth Option (Multi Site NOT Included)	LIC-EDG75-BW2

Services and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you achieve 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, at any time. For more information about these services, visit <http://www.cisco.com/go/telepresenceservices>.

For More Information

For more information about Cisco TelePresence System Edge 95 and 75 MXP, visit <http://www.cisco.com/go/telepresence> or contact your local Cisco account representative or authorized Cisco partner.



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