

▶ Polycom® RMX® 1500

Simplified, Flexible Multipoint Conferencing Delivered to the Edge

A flexible mid-range conferencing platform with dynamic resource allocation, network flexibility and reliability, and cost-effective scalability—all tightly integrated with major UC partners.

The Polycom® RMX® 1500 real-time multimedia conferencing platform (RMX® 1500) extends the power of video, audio, and content collaboration to the network edge, including branches, small offices, remote sites, and teleworkers the world over.

Lowest TCO, Highest ROI

Efficient delivery of conferencing services is central to the Polycom RMX series. It is the industry's only multipoint conferencing platform that supports H.264 High Profile technology to deliver high definition video using 50 percent less bandwidth to dramatically reduce bandwidth cost and utilization so you gain the industry's lowest TCO and highest ROI." Providing support for H.264 High Profile technology continues Polycom's commitment to innovative, open, standards-based, modular architecture that enables organizations to leverage their existing and future conferencing investments.

Ultimate User Experiences—for Admins and End-Users

Easy to set up and easy to use, the Polycom RMX 1500 platform dynamically allocates resources for peak efficiency across all environments regardless of call type. The result is less administrative hassle and more resources available for collaboration. In addition, support for symmetric 1080p delivers uncompromising, highest quality video available. Flexible, reliable architecture facilitates superior performance, scale, and cost-effective integration of IP (H.323 and SIP), VoIP, PSTN and ISDN conferencing services within a single, robust platform. Combined with the power of the Polycom Distributed Media Application™ (DMA™) 7000, administration is further streamlined by the unmatched reliability of automatic failover, reporting, and system maintenance and provisioning.

Voice, Video and Content Collaboration in Everyday Work-life

The Polycom RMX 1500 platform leverages native integration with leading UC applications and tools, and supports connection to immersive telepresence, desktop clients, legacy systems, and third-party endpoints for wide-scale adoption and services delivery. This means customers can avoid the expense and administrative hassle of gateways or extra "media" cards.

Learn More

To learn what the Polycom RMX 1500 conference platform can do for your organization, visit us at www.polycom.com or contact your Polycom representative.



Benefits

- ▶ H.264 High Profile – Delivers unprecedented bandwidth efficiency
- ▶ Polycom UltimateHD™ – High definition video, audio, and content sharing
- ▶ Multinetwork support – IP (H.323, SIP), PSTN, and ISDN on a single chassis
- ▶ Easy, secure access from anywhere – Multitiered Web-based management
- ▶ Anytime, on-demand conferencing – Always-on virtual meeting rooms
- ▶ Resilient multipoint conferencing – Polycom Lost Packet Recovery™ (LPR™) technology
- ▶ Best per call value – Dynamic resource allocation or fixed performance capabilities
- ▶ Automatic fail-over – Virtualize RMX resources with DMA 7000

Polycom RMX 1500 Specifications

Physical Dimensions

- 1.75" h. x 19" w. x 15.74" d., 1U (4.44 x 48.26 x 40 cm)
- Weight: Up to 22 lbs (10 Kg)
- One media processing module (MPMx cards)
- Two slot application server (one for MCU management)
- Power supply
- Fan drawer
- Power: 100-240 VAC \pm 10%, 47-63 Hz; 350 W max power consumption
- Advanced Telecom Computing Architecture (AdvancedTCA)

Operating Environment

- Operating temperature: 10° to 40° C (50° to 104° F), 3400 BTU/hr
- Storage temperature: -40° to 70° C (-40° to 158° F)
- Relative humidity: 15% to 90% noncondensing
- Operating altitude: 60 m (200 ft) below sea level to 3,000 m (10,000 ft) above sea level
- Transit/Storage: 60 m (200 ft) below sea level to 15,000 m (50,000 ft) above sea level

Video Support

- H.261, H.263, H.263++, H.264
- Up to 60 frames per second
- From QCIF to HD 1080p including intermediary resolutions (SIF, CIF, SD, WSD, and HD 720p)
- Up to HD 1080p in continuous presence (CP) transcoding (TX)
- 16:9 and 4:3 aspect ratio
- H.239 content sharing resolution (H.263/H.264): VGA, SVGA, XGA, HD
- Content to H.239 and non-H.239 endpoints
- Polycom Video Clarity™ technology to sharpen and upscale video

Audio Support

- G.711a/u, G.722, G.722.1C, G.722.1, G.723.1, Add G.719 G.729A, and Polycom Siren™ 14 and Siren 22 (in mono or stereo)
- IVR prompts for auto attendance
- User and managed mute control
- DTMF support
- Echo and keyboard noise suppression
- Audio Clarity to sharpen and upscale audio

Capacity

- Up to 960 media resources and 360 audio resources (VOIP)
- Flexible Resource Capacity™ supports up to:
 - 15 HD 1080p endpoints in CP
 - 30 HD 720p endpoints in CP
 - 60 SD endpoints in CP
 - 90 CIF (H.264) endpoints in CP
 - 60 CIF (H.263) endpoints in CP
 - 90 HD 720p 2Mb endpoints in Video Switching (VSW) mode
 - 360 VOIP and 120 PSTN audio endpoints
- Fixed Resource Capacity sets RMX 1500 resources for constant capacity no matter

what the call type

- Supports a single conference without cascading of up to 360 audio or 90 video participants
- Integration with Polycom Distributed Media Application (DMA) 7000 supports up to 1200 active participants for high-scale, redundant conferencing

Management Tools

- RMX Manager offers Web-based access and application-based access
- Multi-RMX Manager—View up to 10 RMX platforms
- Administrator, operator, auditor, and chairperson views
- Onboard shelf management monitors and maintains hardware elements
- Complete XML API kit for 3rd party application integration
- Up to 1000 address book entries
- Address book quick search
- Operator conference
- Move participant between conferences
- Conference templates to easily save layouts for recurring meetings
- Internal reservation calendar for scheduling
- Scheduling options - Internal reservation calendar - Scheduling and gatekeeping functions via the Polycom Converged Management Application™ (CMA™) 4000/5000 solution
 - Polycom® Conferencing for Microsoft Outlook
- External database access (LDAP/AD)

Language Support

- English, Simplified Chinese, Traditional Chinese, Japanese, Russian, German, Korean, Spanish, French, Italian, Portuguese, Norwegian
- Double Byte (Unicode) site names

Network Support

- IP H.323 and SIP
- PSTN and VoIP voice
- ISDN (H.320)
- IPv4 and IPv6
- 10/100/1000 Mb interface
- 64 Kbps to 6 Mbps conference data rates
- Up to 768 kbps for content
- Gateway calls
- Direct dial-in from any network

Transcoding

- Audio algorithms
- Video algorithms
- Networks
- Resolution
- Frame rates
- Bit rates

IP QoS

- Polycom Lost Packet Recovery™ technology
- DiffServ
- IP Precedence
- Dynamic jitter buffer
- Voice and video error concealment

Security

- AES media encryption (IP and ISDN)
- Transport layer security (SIP)
- Separation of management and media networks
- Tiered administrative access levels
- Secure conference mode
- Strong password policy

Approval and Compliance

- CE
- UL, ETL, CB
- EMC: FCC 47CFR PART 15, VCCI, AS/NZS CISPR 22, ICES-003
- Safety: UL 60950-1, IEC 60950-1, EN 60950-1
- RoHS 6

Conferencing Highlights – All platforms

- Integration with Polycom RSS™ series for recording and streaming
- Support for Polycom immersive telepresence rooms (Polycom RPX™, Polycom TPX™) HD multipoint conferencing
- Polycom Conferencing for Microsoft Outlook
- Unified conferencing (voice, video and data)
- Up to 24 different conference layouts
- Personal and auto layout options
- Layout range 1x1 to 4x4
- Support of Polycom LPR™ technology on both H.323 & SIP protocols
- Support of Polycom High Profile H.264 technology
- The Advanced Polycom Click&View™ visual layout tool
- Customized resolution configuration
- Customized HD welcome slides
- Layout background (skin) options
- Lecture and presentation mode
- Roll call
- Closed caption
- Message overlay
- Conference profiles
- Conference templates
- Far-end camera control (FECC) H.224/H.281, H.323 annex Q and SIP FECC
- Conference dial out and dial in
- Up to 1000 virtual meeting rooms
- Advanced IVR flow
- Multilingual and transparent site name options
- H.239 support over H.323 cascaded links (between any Polycom bridges)

Warranty

One (1) year limited hardware warranty: unit returned to Polycom factory within 30 days after receipt; 90-day software warranty: bug fixes / minor releases. Please contact your Polycom reseller or a Polycom sales representative for more details.

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