Polycom® RMX 2000™

The Advanced Platform for Simplified Multipoint Conferencing

The Polycom RMX 2000 real-time media conference platform delivers high performance video and audio conferencing to any organization demanding life-like, reliable communications.

Advanced, Scalable Platform

The foundation of the Polycom RMX 2000 conference platform is its standards-based, modular architecture which enables organizations to leverage their existing and future conferencing investments. By optimizing its resources, regardless of call type, the Polycom RMX 2000 conference platform always operates at peak efficiency across all environments. The advanced architecture also facilitates superior performance, scale, and cost-effective integration of IP (H.323 and SIP), PSTN and ISDN conferencing services.

Simple and Accessible Conferencing

Easy to set up, easy to use and a powerful tool for collaboration, the Polycom RMX 2000 real-time media conference platform provides intuitive, high quality multipoint conferencing to end users, as well as unparalleled flexibility and control to administrators. Its straightforward user and administrator interfaces enable consistent, in-person communications experiences without cumbersome technology roadblocks, which increases productivity and speeds the rate of conferencing adoption.

Ultimate User Experience

The superior engineering and design principles of the Polycom RMX 2000 platform provide the perfect balance of conference power, control, and ease-of-use. Support for a range of video resolutions, flawless interactions via high-quality audio and content delivery and QoS control recreate the in-person meeting experience. Organizations benefit from improved communication, increased collaboration, and faster decision-making, enabling them to meet the challenges – and seize the opportunities – of today's interconnected world.

The Polycom RMX 2000 multipoint conference platform is the result of Polycom's sustained leadership in conferencing and is fundamental to the Polycom VC2 vision for transforming visual communication.

Find Out More

Learn what the Polycom RMX 2000 conference platform can do for your organization. Visit us at www.polycom.com or contact your Polycom representative.

Benefits

▶ Polycom UltimateHD™ – High definition video, audio, and content sharing

▶ Investment protection – High-scale, future-proof platform

▶ Multi-network support – IP (H.323, SIP), PSTN, and ISDN on a single chassis

▶ Easy, secure access from anywhere – Multi-tiered Web-based management

▶ Anytime, on demand conferencing – Always-on virtual meeting rooms

▶ Resilient multipoint conferencing – Polycom Lost Packet Recovery™ (LPR™)

▶ Best per call value – Flexible or fixed performance capacities

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Polycom RMX 2000 Specifications

The RMX 2000 Real-time Media Conference Platform is available in 20, 40, 80, 120, and 160 media resource configurations.

Physical dimensions
- 5" h. x 19" w. x 15" d., 3U (13.28 x 48.26 x 40 cm)
- Weight: Up to 36.38 lbs (16.5 Kg)
- Two slot media processing modules (MPM+ cards)
- Two slot application server (one for MCU management)
- Power supply
- Fan drawer
- Power: 100-240 VAC ±10%, 47-63 Hz; 600 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
- Video Clarity™ to sharpen and upscale video

Audio Support
- G.711a/u, G.722, G.722.1C, G.722.1, G.723.1, G.729A, Polycom Siren™ 14
- IVR prompts for auto attendance
- User and managed mute control
- DTMF support
- Echo and keyboard noise suppression

Capacity
- Up to 160 media resources and 800 audio resources
- Flexible Resource Capacity™ supports up to:
  - 40 HD endpoints in CP
  - 60 SD endpoints in CP
  - 160 CIF endpoints in CP
  - 160 HD endpoints in Voice Switch (VSW) mode
  - 800 audio endpoints
- Fixed Resource Capacity sets RMX 2000 resources for constant capacity no matter what the call type
- Supports a single conference without cascading of up to 200 audio or 80 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
- 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 2000 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 and gatekeeping functions via Polycom Converged Management Application™ (CMA™) 4000/5000
- 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™
- 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
- Integration with Polycom RSS™ 2000 recording and streaming solution
- Support for Polycom immersive telepresence rooms (Polycom RPX™, Polycom TPX) HD multipoint conferencing
- Unified conferencing (voice, video and data)
- Up to 24 different conference layouts
- Personal layout
- Auto layout
- Layout range 1x1 to 4x4
- Advanced Polycom Click&View™
- Layout skins
- Lecture and presentation mode
- Roll call
- Closed caption
- 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 Meeting Rooms
- Advanced IVR flow
- Multilingual site names
- Transparent site names
- 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.

Polycom conferencing solutions also include unified conferencing bridges, recording and streaming solutions, firewall/NAT transversal, management, scheduling, and gatekeeper applications, video and audio endpoints, totally immersive conferencing environments, and a full range of installation and professional consulting services.

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