

## ▶ Polycom® RMX® 2000

### The Intelligent Platform for Advanced Multipoint Conferencing

Connecting the most people in the highest quality at the lowest cost, this real-time multimedia conferencing platform has built-in intelligence tightly integrated with major UC partners.

#### The Advanced, Scalable, Cost-Effective Platform

The foundation of the Polycom® RMX® 2000 (RMX® 2000) real-time multimedia conferencing platform is its standards-based, modular architecture which enables organizations to leverage their existing and future conferencing investments. The RMX 2000 platform dynamically allocates resources for peak efficiency regardless of call type and 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. Efficient delivery of conferencing services is central to the Polycom RMX 2000. The RMX series is the industry's only multipoint conferencing platform that uses H.264 High Profile media cards to deliver high definition video using up to 50 percent less bandwidth thus providing the industry's lowest TCO with the highest ROI.

#### Simple and Accessible Conferencing

Easy to set up, easy to use, and a powerful tool for collaboration, the Polycom RMX 2000 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, thus increasing productivity and speeding 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. With Polycom solutions, organizations benefit from improved communication, increased collaboration, and faster decision-making, so they can meet the challenges and seize the opportunities of today's interconnected world.

#### Learn More

Learn what the Polycom RMX 2000 conference platform can do for your organization. Visit us at [www.polycom.com](http://www.polycom.com) or contact your Polycom representative.



#### Benefits

- ▶ Lowest TCO, Highest ROI – H.264 High Profile technology delivers unprecedented bandwidth efficiency
- ▶ Polycom UltimateHD™ – High definition video, audio, and content sharing
- ▶ Investment protection – High-scale, future-proof platform
- ▶ 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
- ▶ Automatic fail-over – Virtualize RMX resources with DMA 7000
- ▶ Best per call value – Dynamic resource allocation or fixed performance capabilities

# Polycom RMX 2000 Specifications

## 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 (MPMx cards)
- Two slot application server (one for MCU management)
- Power supply
- Fan drawer
- Power: 100-240 VAC  $\pm$  10%, 47-63 Hz; 900 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, G.719, G.728, G.729A, and Polycom Siren™ 14 and Siren 22 audio technology (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

- Flexible Resource Capacity™ supports up to:
  - 30 HD 1080p endpoints in CP (Symmetric)
  - 60 HD 720p endpoints in CP
  - 120 SD endpoints in CP
  - 180 CIF (H.264) endpoints in CP
  - 160 HD 720p 2Mb endpoints in Video Switching (VSW) mode
  - 720 VOIP and 400 PSTN 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 720 audio or 180 video participants
- Integration with Polycom Distributed Media Application™ (DMA™) 7000 supports up to 1200 active participants, for high-scale, redundant conferencing

## Polycom Worldwide Headquarters

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## 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 4000 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
- 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™ (LPR™) technology
- DiffServ
- IP Precedence
- Dynamic jitter buffer
- Voice and video error concealment

## Security

- AES media encryption (IP and ISDN)
- Transport layer security (SIP and management network)
- 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™ 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 35 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 video 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.*

