

# Polycom RMX 4000 Specifications

## Physical Dimensions

- 10.5" h x 19" w x 15" d, 6U (26.56 x 48.26 x 40 cm)
- Weight: Up to 88 lbs (40 Kg)
- Four slot media processing modules (MPMx cards)
- Two slot application server (one for MCU management)
- Power: 100-240 VAC  $\pm$  10%, 47-63 Hz; 1200 W max power consumption
- AC option: Three AC power supplies with three power cords (at least one redundant and hot swappable)
- DC option: Two DC inputs (main and battery)
- High bandwidth backplane for seamless connection between all cards
- Fan drawer
- 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: 15–90% 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 HD1080p including wide range of intermediate resolutions
- Up to HD1080p 30 fps and 720p 60fps 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
- 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.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

- Flexible Resource Capacity™ supports up to:
  - 60 HD 1080p endpoints in CP (Symmetric)
  - 120 HD 720p endpoints in CP
  - 240 SD endpoints in CP
  - 360 CIF (H.264) endpoints in CP
  - 360 HD 720p 2Mb endpoints in Video Switching (VSW) mode
  - 1440 VOIP and 480 PSTN audio endpoints

- Fixed Resource Capacity sets RMX 4000 resources for constant capacity no matter what the call type
- Supports a single conference without cascading of up to 1440 audio or 180 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 and application-based access
- Multi-RMX Manager--View up to 10 RMX platforms
- Administrator, operator, chairperson, and auditor views
- Shelf management hardware monitor
- Complete XML API kit for 3rd party application integration
- Up to 4000 address book entries
- Address book quick search
- Operator conference
- Scheduling options
- Internal reservation calendar
- 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
- Frames rates
- Bit rates

## IP QOS

- Polycom Lost Packet Recovery™ (LPR™) technology
- DiffServ
- IP Precedence
- Dynamic jitter buffer

- Voice and video error concealment

## Security

- Separation of management and media networks
- AES media encryption (IP and ISDN)
- Transport layer security (SIP)
- Strong password policy
- Tiered administrative access levels
- Secure conference mode
- 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 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
- 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 2000 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.*

## Polycom Worldwide Headquarters

4750 Willow Road, Pleasanton, CA 94588  
1.800.POLYCOM or +1.925.924.6000  
[www.polycom.com](http://www.polycom.com)

