

# Polycom® RMX 2000™

## Real-Time Media Conference Platform



The Polycom RMX 2000 conference platform delivers real-time video and audio conferencing to enterprises, service providers or any organization that demands the utmost in communication ease, quality, and reliability

### **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.

### **Advanced Open IP Platform**

The foundation of the Polycom RMX 2000 conference platform is the standards-based Advanced Telecommunications Computing Architecture (AdvancedTCA®) 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 AdvancedTCA design also facilitates superior performance, scale, and cost-effective integration of IP (H.323 and SIP), PSTN and ISDN conferencing services.

### **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 communications.

### **Find Out More**

Learn what an 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**

- ▶ Polycom UltimateHD™ – High definition video, audio, and content sharing
- ▶ Scalable, future-proof platform – Flexible, standards-based architecture and AdvancedTCA design
- ▶ 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™)
- ▶ Easy integration to existing workflows – Comprehensive XML API tool kit

# Polycom RMX 2000 Specifications

The RMX 2000 Real-time Media Conference Platform is available in 20, 30, 40, 60, and 80 media resource configurations.

## Physical dimensions

- Height: 3U, 13.28 cm (5 in)
- Width: 48.26 cm (19 in)
- Depth: 40 cm (15 in)
- Weight: Up to 16.5 Kg (36.38 lbs)
- Two slot media processing modules (MPMs)
- Two slot application server (one for MCU management)
- Power supply
- Fan drawer
- Power: 100-240 VAC  $\pm$  10%, 47-63 Hz; 600 W max power consumption

## 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 (13,000 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.264
- Up to 30 frames per second
- From QCIF to HD720p including CIF and SIF, 4CIF and SD
- Up to HD720p in continuous presence (CP) transcoding (TX)
- 16:9 and 4:3 aspect ratio
- H.239 content sharing resolution: VGA, SVGA, XGA

## Audio Support

- G.711 a/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

## Capacity

- Up to 80 media resources and 400 audio resources
- Flexible resource capacity supports:
  - 5 HD to 20 HD/SD resources for CP
  - 20 to 80 CIF resources for CP
  - Up to 80 HD resources for VSW
  - Up to 400 audio resources

## Management Tools

- Web-based management
- Administrator, operator, auditor, and chairman views
- Onboard shelf management monitors and maintains hardware elements
- Complete XML API kit for 3rd party application integration
- Up to 1000 address book entries
- Secured management via transport layer security (TLS)
- Scheduling and gatekeeping functions via Polycom management solutions
- External database access
- CDRs (Call Detail Records)

## 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)
- 10/100/1000 Mb interface
- 64 Kbps to 4 Mbps conference data rates

## Transcoding

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

## IP QoS

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

## Security

- AES media encryption
- Transport layer security (SIP)
- Conference participants PIN code authentication via LDAP interface when used with ReadManager SE200
- Tiered permission levels include Administrator, Operator, Chairperson and now "Auditor"
- GUI user authentication via ReadManager SE200
- Secure mode option for any conference

## Approval and Compliance

- CE
- UL, ETL
- EMC: FCC 47CFR PART 15
- Safety: UL 60950 3rd Edition
- RoHS 6

## Conferencing Highlights

- Integration with Polycom RSS™ 2000 recording and streaming solution
- Support for Polycom telepresence rooms (Polycom RPX™, Polycom TPX) HD multi-point conferencing
- Unified conferencing (voice, video and data)
- Up to 23 different conference layouts
- Personal layout
- Auto layout
- Layout range 1x1 to 4x4
- Advanced Polycom Click & View™
- Layout skins
- Lecture and presentation mode
- Roll call
- Conference profiles
- Far-end camera control (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 cascaded links (between any Polycom MCUs)

*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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