



Polycom® RMX 2000™

Real-Time Media Conferencing Platform



Benefits

AdvancedTCA platform – Delivers performance, reliability, and manageability

Flexible IMS-ready modular design – Enables streamlined traffic flow and mass scale

Integrated platform – Supports IP (H.323, SIP), VoIP, and PSTN on single chassis

Ultra high-speed internal and external connectivity – Fast content delivery, extreme low latency

Multi-tiered Web-based management – For easy, anywhere secure access

Always-on virtual meeting rooms – Allow anytime, on demand conferencing

Extensive conference layout choices – Maximize interactions and productivity

Fast, Web-based installation wizard – For out-of-the-box conferencing

Automated diagnostics and field replaceable parts – Simplified maintenance

XML API – Integrate conferencing into organizational processes and workflows

Part of a complete, market-leading conferencing and collaboration solution

The Advanced Platform for Simplified Multipoint Conferencing

The Polycom RMX 2000 real-time media conferencing platform delivers high performance video and audio conferencing to enterprises, service providers, and other organizations requiring the highest level of communication ease, quality, and reliability.

Advanced Open IP Platform

Optimally provisioning resources for both high definition and non-high definition (CIF) video endpoints, the RMX 2000 platform enables organizations to leverage their existing and future conferencing investments across all environments. Fully standards-based and IT ready, the RMX 2000 platform is designed on the Advanced Telecommunications Computing Architecture (AdvancedTCA®) for superior performance and cost effective integration of IP, (H.323 and SIP), VoIP and PSTN conferencing services within a single robust platform.

Complete High Definition Conferencing

Seamless integration of the RMX 2000 platform with Polycom HDX series high definition video endpoints and the Polycom ReadManager® SE200 conference management and scheduling application provides organizations with a complete and integrated high definition conferencing solution. Administrators can intuitively manage RMX 2000 conferences, resources, access levels, devices, to deliver the highest quality experience to end users and uninterrupted alignment of conferencing within organizational workflows.

Ultimate User Experience

The superior engineering and design principles of the RMX 2000 platform provide the perfect balance of conferencing power, control, and ease-of-use. Support for a range of video resolutions, flawless interactions via high-quality audio, 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 RMX 2000 multipoint conferencing platform is the result of Polycom's sustained leadership in conferencing and is the centerpiece of the Polycom strategy to enable seamless and natural interactions across endpoints and geographies.

Make Great Things Happen With Polycom RMX 2000 Real-time Media Conferencing Platform

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video and content collaboration and communications, our award-winning conference technology makes it easy for people to interact and maximize productivity – over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you too, can achieve great things with Polycom RMX 2000 real-time media conferencing platform.



VideoVoiceDataWeb

The RMX 2000 Real-time Media Conferencing 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.263, H.264
- Up to 30 frames per second
- From QCIF to HD720p including CIF and SIF
- 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.711a/u, G.722, G.722.1C, G.722.1, G.723.1, G.729A, Siren™ 14
- IVR prompts for auto attendance
- User and managed mute control
- DTMF support

Capacity

- 20 to 80 video ports (5HD to 20HD video ports for CP; 20CIF to 80 CIF for CP; and up to 80HD for VSW)
- Up to 400 voice ports

Management Tools

- Web-based management
- Administrator, operator, and chairman views
- Onboard shelf management monitors and maintains hardware elements
- Complete XML API kit for 3rd party application integration
- Scheduling and gatekeeping functions via *ReadiManager SE200*

Network Support

- IP H.323 and SIP
- PSTN and VoIP voice
- 10/100/1000 Mb interface
- 64 Kbps to 4 Mbps conference data rates

Transcoding

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

IP QoS

- DiffServ
- IP Precedence
- Dynamic jitter buffer
- Voice and video error concealment

Security

- AES media encryption
- Conference participants PIN code authentication via LDAP interface when used with *ReadiManager SE200*
- Tiered permission levels include Administrator, Operator, Chairperson and now "Auditor"
- GUI user authentication via *ReadiManager 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 (RPX™, TPX) HD multipoint conferencing
- Unified conferencing (voice, video and data)
- Up to 23 different conference layouts
- Personal layout
- Auto layout
- Layout range 1x1 to 4x4
- Advanced 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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