

Polycom® RMX 1000™

Multipoint Conference Platform for Real-time Collaboration



The Polycom RMX 1000 conference platform delivers high performance video and audio conferencing to small-to-medium sized organizations and branch sites within the enterprise

Supporting up to 20 video and audio endpoints concurrently, the Polycom RMX 1000 provides a robust and cost-effective multipoint conferencing solution. When leveraged with Polycom telepresence solutions, management platforms, and recording and streaming solutions, the RMX 1000 supports a complete visual communication ecosystem.

Powerful Conferencing Tools

Delivering full management flexibility and control, the Polycom RMX 1000 allows conferences to be established via pre-set profiles based on user or group specifications. Always-available, on-demand meeting rooms offer an equally seamless way to initiate multi-point conferences. Meetings in-progress benefit from the Polycom RMX 1000 Personal Conference Manager (PCM), an on-screen menu that allows the conference chairperson to add, remove or mute participants as well as record, terminate, or change layouts of conferences.

For mission-critical conference requirements, the Polycom RMX 1000 includes an optional on-board scheduler and a complete XML API toolkit—identical to the Polycom RMX 2000® toolkit—that seamlessly integrates conferencing into applications and workflows. Optimized internal resource provisioning and Polycom Lost Packet Recovery (LPR) technology ensure high quality video, audio, and content delivery across even congested networks.

Easy to Implement and Use

With straightforward installation, powerful management, and intuitive interfaces, the Polycom RMX 1000 delivers life-like multipoint conferencing and communication. Organizations benefit from increased productivity, faster and more-informed decision making, and accelerated user adoption of real-time collaboration tools. As part of the Polycom VC2 vision for transforming visual communication, the Polycom RMX 1000 provides a cost-effective, highly intuitive solution for mainstream conferencing requirements.

Find Out More

View a demonstration today to see what the Polycom RMX 1000 can do for your organization. Visit us at www.polycom.com or contact your Polycom representative.

Benefits

- ▶ Ultimate user experience – Exceptional audio, video, and content delivery
- ▶ Anytime, on demand conferencing – Always-on virtual meeting rooms
- ▶ Useful on-screen conference controls – Personal Conference Manager (PCM)
- ▶ Resilient multipoint conferencing – Polycom Lost Packet Recovery™ (LPR™)
- ▶ Easy, secure access from anywhere – Multi-tiered Web-based management
- ▶ Optimal system provisioning in mixed networks – Flexible resource capacity
- ▶ Easy integration to existing workflows – Comprehensive XML API tool kit

Polycom RMX 1000 Specifications

Polycom RMX 1000 multipoint conference platforms are available in 12, 16, and 20 media resource configurations.

Physical dimensions

- Height: 3U, 5.20" (132 mm)
- Width: 16.93" (430 mm)
- Depth: 19.92" (506 mm)
- Weight: 48.4 lbs (22 kg)
- Power supply: Thermal controlled 650W ATX AC power supply w/PFC
- Power: 100 - 240 VAC, 50-60 Hz, 5-9 Amps
- Linux operating system

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
- From QCIF to 720p
- Up to high definition (HD) 720p in continuous presence (CP) transcoding (TX) - Optional
- 720p Voice switching (VSW)
- Up to 30 frames per second
- 16:9 and 4:3 aspect ratio
- H.239 content sharing resolution: VGA, SVGA, XGA
- BFCP for SIP content support
- Content to H.239 and non-H.239 endpoints
- H.239 Content in H264 Format
- Video Clarity™ to sharpen and upscale video

Audio Support

- G.711 a/u, G.719, G.722, G.728, G.722.1/Siren™ 7, G.722.1AnnexC/Siren 14, Siren 22 StereoSurround™
- IVR prompts for auto attendance
- User and managed mute control
- DTMF support
- Echo and keyboard suppression

Capacity

- 12 to 20 media and audio (H.323/SIP) resources
- Flexible resource capacity supports:
 - 6 HD to 10 HD/SD resources for CP
 - 12 to 20 CIF CP or HD VSW resources
 - 12 to 20 VoIP audio resources

Management Tools

- Web-based management with support for multiple languages
- Administrator, operator, and chairman views
- System-generated emails to administrator in case of system alerts
- Complete XML API kit for 3rd party application integration
- On-board scheduling option or scheduling and gatekeeping functions via Polycom management solutions
- Address book—Up to 1000 local addresses; up to 5000 global addresses
- Directory integration: GAB, LDAP
- Presence support
- CDR (Call Details Record)
- Move participant between conferences
- Participant preview
- SNMP V3

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
- Gateway calls
- 10/100/1000 Mb interface
- 64 Kbps to 2 Mbps conference data rates

Transcoding

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

IP QoS

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

Security

- AES media encryption
- SIP TLS

- TCP
- Tiered permission levels include Administrator, Operator, Chairperson

Approval and Compliance

- CE
- Safety: UL (60950 3rd Edition) and CB
- EMC: CE, FCC 47CFR PART 15, VCCI, C-Tick, MIC, China CCC
- China MII
- RoHS 6

Conferencing Highlights

- Conference Mode: On demand, password protected, schedule
- Integration with Polycom RSS™ 2000 recording and streaming solution
- Unified conferencing (voice, video and data)
- Up to 24 different conference layouts
- Personal layout
- Auto layout
- Layout range 1x1 to 4x4
- Personal Conference Manager (PCM) including Advanced Polycom Click & View™
- Video invite
- Dynamic conference invite
- Layout skins
- Customization of video skins and user administrative interfaces
- Lecture and presentation mode
- Conference profiles
- Far-end camera control (FECC)
- Conference dial out and dial in
- Up to 1000 Meeting Rooms
- Advanced IVR flow
- Multilingual site names
- H.239 support over cascaded links (between any Polycom MCU)

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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