Polycom® RMX® Conference Platforms
Polycom Universal Video Collaboration Solutions

Multipoint video, voice, and content collaboration software that connects the most people at highest quality and lowest cost

From the CEO to the intern, people are using video collaboration to share the next great idea face-to-face, from anywhere, anytime. With the rise of the video-enabled workforce, the need has never been greater for a dynamic, scalable, reliable platform that provides seamless interoperability with existing and future collaboration investments and reduces cost and complexity. Polycom RMX conference platforms meet these needs, connecting the most people at highest quality for the lowest cost.

Polycom RMX 4000   Polycom RMX 2000

Polycom RMX 1500

Reduce Cost and Complexity through Innovative Design

With Polycom RMX conference platforms, costs and complexity are reduced through unique, innovative architecture. RMX solutions were designed to dynamically allocate resources, delivering the right amount of resources to each call type unlike competitive solutions that waste HD resources for video desktop participants. As a result, RMX solutions deliver approximately 3.5 times greater capacity than other conference platforms providing a better value bridge. In addition, RMX solutions deliver unprecedented bandwidth efficiency through support of H.264 High Profile technology that reduces bandwidth utilization up to 50 percent for dramatic savings.

Protect Investments and Prepare for the Future

RMX solutions are breaking down barriers to video communications with broad support for existing and emerging standards, protocols, applications, devices and interoperability between UC environments for seamless worldwide collaboration. Only RMX platform solutions provide native integration with leading UC applications and support for IP, H.323/ SIP, PSTN and ISDN all within a single conference platform, eliminating the need to manage expensive gateways and licenses.

Transform the Office into a High-Performance Workplace

For end-users, calls are as easy to join as clicking a mouse from your calendar application or making a phone call. Content can be shared and experienced in crystalline high definition, even over the Internet. Multi-party conferencing is available anywhere, anytime through customizable virtual meeting rooms and profiles. For IT, RMX software provides flexibility and control to administrators. Its straightforward administrator interfaces enable consistent, in-person communications experiences without cumbersome technology roadblocks, thus increasing productivity and speeding the rate of conferencing adoption.

Gain Exponential Benefit with the Polycom® RealPresence™ Platform

Polycom is the global leader in standards-based unified communications (UC) solutions for telepresence, video, and voice, powered by the Polycom RealPresence Platform. The RealPresence Platform interoperates with the broadest range of business, mobile, and social applications and devices. More than 400,000 organizations trust Polycom solutions to collaborate and meet face-to-face from any location for more productive and effective engagement with colleagues, partners, customers and prospects. Polycom, together with its broad partner ecosystem, provides customers with the best TCO, scalability, and security— on-premises, hosted or cloud delivered.

Learn more at www.polycom.com or call 1-800-POLYCOM to speak with a Polycom representative.

Benefits

- **Lowest TCO** – Lower operating expenses with unprecedented bandwidth efficiency delivering up to 50% less utilization and dynamic resource allocation to increase call capacity for cost effective scalability

- **Native Integration** – Leverage existing and future UC investments without extra costs, licenses or boxes to manage

- **Highest Resiliency** – Leverage the power of Polycom Virtualization Management solutions for reliable, "extreme scalability" with 100% auto-failover

- **Enterprise Quality Collaboration** – Experience life-like collaboration through Polycom Lost Packet Recovery™, video and audio upscaling, (Symmetric 1080p) and Polycom UltimateHD™ technologies

- **Universal Collaboration** – Break down barriers to interoperability with broad support for existing and emerging standards, applications, protocols and devices for seamless worldwide collaboration

Polycom RMX Platform Specifications

	RMX 1500	RMX 2000	RMX 4000
Physical Dimensions, Power and Architecture	▪ 1 .75" h. x 19" w. x 26.3" d., 1U (4.44 x 48.26 x 60 cm) ▪ Weight: Up to 26.5 lbs (12 Kg) ▪ Power: 100-240 VAC ±10%, 50-60 Hz; 350 W max power consumption	▪ 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 drawer ▪ Fan drawer ▪ Power: 100-240 VAC ±10%, 50-60 Hz; 700 W; 900 W max power consumption ▪ Advanced Telecom Computing Architecture (AdvancedTCA)	▪ 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: 1500 W max power consumption ▪ Configurable power entry setup: AC or DC ▪ 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) ▪ DC Power: Voltage range; -40.5 – 60 V DC SELV, with circuit breaker. ▪ High bandwidth backplane for seamless connection between all cards ▪ Fan drawer ▪ Advanced Telecom Computing Architecture (AdvancedTCA)

Capacity	▪ Dynamic Resource Allocation™ supports up to:
	  - 30 HD 720p endpoints in CP
	  - 60 SD endpoints in CP
	  - 90 CIF (H.264) endpoints in CP
	  - 60 CIF (H.263) endpoints in CP
	  - 80 HD 720p 2Mb endpoints in Video Switching (VSW) mode
	  - 360 VOIP and 120 PSTN audio endpoints
	▪ Fixed Resource Capacity sets RMX 1500 resources for constant capacity no matter what the call type
	▪ Supports a single conference without cascading of up to 360 audio or 90 video participants
	▪ Integration with Polycom Distributed Media Application™ (DMA™) 7000 systemsupports up to 1200 active participants for high-scale, redundant conferencing
	▪ 90 HD 1080p endpoints in Event Mode*
		▪ Dynamic Resource Allocation™ supports up to:
		  - 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
		▪ 180 HD 1080p endpoints in Event Mode*
			▪ Dynamic Resource Allocation™ supports up to:
			  - 120 HD 720p endpoints in CP
			  - 240 SD endpoints in CP
			  - 360 CIF (H.264) endpoints in CP
			  - 320 HD 720p 2Mb endpoints in Video Switching (VSW) mode
			  - 1440 VOIP and 400 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 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
			▪ 360 HD 1080p endpoints in Event Mode*

Operating Environment

▪ Operating temperature: 0° to 40° C (32° to 104° F), 3400 BTU/hr
▪ Storage temperature: -40° to 70° C (-40° to 158° F)
▪ Relative humidity: 15% to 90% noncondensing
▪ Operating/Transit/Storage altitude: 60 m (200 ft) below sea level and up to 15 Km (49,200 ft)

Video Support

▪ Native Microsoft RTV Support
▪ H.261, H.263 (H.263++), H.264 High Profile
▪ 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) (RMX 2000 and 4000 Only)
▪ 16:9 and 4:3 aspect ratio
▪ H.239 content sharing resolution (H.263/H.264): VGA, SVGA, XGA
▪ Polycom People+Content™ technology
▪ Polycom Video Clarity™ technology to sharpen and upscale video

Audio Support

▪ G.711 a/u, G.722, G.722.1C, G.722.1, G.723.1, Add 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

Polycom RMX Platform Specifications

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
- 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
- Scheduling options*
- Operator conference
- Internal reservation calendar*
- Scheduling and gatekeeping functions via the Polycom Converged Management Application™ (CMA™) 4000/5000 solution
- Move participant between conferences
- Conference templates to easily save layouts for recurring meetings*
- 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
- Network Separation (multiple IPs)
- ICE and SRTP Support - video and content
- IP H.323 and SIP - video and content
- 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
- JITC
- Separation of management and media networks
- AES media encryption (IP and ISDN)
- Transport layer security (SIP and management network)
- Strong password policy
- Tiered administrative access levels
- Secure conference mode

Approval and Compliance
- JITC
- RoHS 6
- EMC: FCC 47CFR PART 15, VCCI, C-Tick, ICES-003, EN55022, EN55024, EN 61000-3-2, EN 61000-3-3, *EN 300-386 (*RMX 4000 only)
- Safety: UL 60950-1 (ETL), IEC 60950-1 (CB), EN 60950-1 (CE), AS/NZS 60950-1, CCC, GoST-R
- Telco (ISDN): IDA TS ISDN-PRA, A-Tick AS/ACIF S038:2001, MII, KC, TIA-968-A, CS-03 Issue 9 Part VI, Ordinance No. 31, TBR-4, PTC 100, PTC 216, TRA, TEC, MOC, SIRIM, GEN001, IT001

Conferencing Highlights
- Integration with Polycom RSS™series for recording and streaming
- Support for Polycom immersive telepresence rooms (Polycom RPX™, Polycom TPX™) HD multipoint conferencing
- 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 standard H.264 High Profile
- 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)

Native Integration
- Microsoft OCS 13 & Lync server (OCS 14)
- IBM® Lotus® Sametime® 8.5.2
- Cisco Telepresence Interoperability Protocol (TIP)
- 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.

* Event Mode - high scale per event with limited conferencing per card and continuous presence. Only available in certain countries. Contact your Polycom Representative for further details.

* RMX 4000 only

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