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A POLYCOM DATA SHEET

Polycom® RMX® 4000

Multipoint Conference Platform

Delivering the Lowest Total Cost of Ownership and Fastest ROI of any Conference Platform

The Polycom® RMX® 4000 (RMX 4000) multipoint conference platform enables individuals and groups to collaborate anytime from anywhere with incredible scale. From teams in immersive telepresence suites to individuals calling from mobile devices, the RMX 4000 platform joins more people in life-like conversations than any other conference platform.

The premier platform in the Polycom RMX series, the RMX 4000 platform natively supports users across multiple network types to extend the power of unified collaboration within, and beyond, the enterprise. Leveraging the H.264 High Profile standard to deliver high definition video at up to half the bandwidth of competitive offerings, the RMX 4000 platform increases video capacities up to 50 percent while delivering the industry's lowest TCO and highest ROI. Efficient delivery of conferencing services for all types of users, over mixed networks, is central to the RMX 4000 design.

Extended conference infrastructure deployments benefit from pairing the RMX 4000 (and all RMX solutions) with the Polycom Distributed Media Application™ (DMA™) 7000, a highly-resilient network application that load-balances media resources from multiple RMX platforms to deliver a single point of administration and unmatched conferencing redundancy and scale, including capabilities such as automatic failover, centralized reporting, provisioning, and system support.

Easily Managed, with Life-Like User Experiences

The Polycom RMX 4000 platform benefits IT departments and end-users alike by delivering ease of use and sustained real-time collaboration sessions. Dynamically allocating resources for peak efficiency regardless of call type, users collaborate in real-time with crisp imagery and latency-free audio, with the RMX 4000 platform supporting symmetric 1080p and Polycom Lost Packet Recovery™ (Polycom LPR), an exclusive solution that helps ensure high-quality experiences even across congested networks.

An intuitive and secure Web-based interface delivers administrative ease for both real-time and ongoing conference management capabilities, while the RMX 4000 platform's intelligent architecture facilitates superior performance, scale, and cost-effective integration of IP (H.323 and SIP), VoIP, PSTN and ISDN conferencing services.

Highly Productive, Cost Effective Collaboration

The Polycom RMX 4000 leverages native integration with leading UC applications and tools, without the expense and hassle of gateways or extra "media" cards. Supporting connectivity to immersive telepresence rooms, desktop clients, traditional video conference systems, and standards-based third party endpoints, the RMX 4000 provides faster ROI and lower TCO through wide-scale utilization across an organization.

An Essential Element in the Polycom UC Intelligent Core™

The engine of Unified Communications starts with the Polycom UC Intelligent Core, a full portfolio of collaboration infrastructure solutions that enables teams to interact over voice and video anywhere, anytime. The UC Intelligent Core drives our solutions architecture by providing built-in intelligence—including resiliency, redundancy, cost-effective scale, and native integration with major UC partners—to connect the most people in the highest quality for the lowest cost.

Learn More

Learn what the Polycom RMX 4000 conference platform can do for your organization. Visit us at www.polycom.com or contact your Polycom representative..



Benefits

- Unprecedented bandwidth efficiency with the H.264 High Profile standard
- Highest degree of scale, supporting immersive telepresence, conference room, desktop, or audio conferencing
- Intrinsic redundancy with dual power supplies and hot swappable modules
- Multinetwork support, with IP (H.323, SIP), PSTN, and ISDN on a single chassis
- Life-like resolutions up to 1080p, with Polycom Video Clarity™ technology that improves even non-HD video streams
- Anytime, on-demand conferencing with always-on virtual meeting rooms
- High-touch management options with operator assistance, reservation calendar, and conference templates
- Best per-call value – Flexible and Fixed performance capacities
- Sustained high-quality experiences with Polycom Lost Packet Recovery™ (LPR™) technology

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 ±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
- 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)
- 16:9 and 4:3 aspect ratio
- H.239 content sharing resolution (H.263/H.264): VGA, SVGA, XGA
- Polycom People+Content
- 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.728, 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:
  - 360 HD 1080p endpoints in CP (Event Mode)
  - 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
- Event Mode Capacity*

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
- 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
- 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
- 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 Lync Server 2010
- IBM Lotus Sametime 8.5.1

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.

** Only available in certain countries. Contact your Polycom Representative for further details.*

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We buy equipment

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