

Polycom RMX 1500 Specifications

Physical Dimensions

- 1.75" h. x 19" w. x 15.74" d., 1U (4.44 x 48.26 x 40 cm)
- Weight: Up to 22 lbs (10 Kg)
- One media processing module (MPMx cards)
- Two slot application server (one for MCU management)
- Power supply
- Fan drawer
- Power: 100-240 VAC \pm 10%, 47-63 Hz; 350 W max power consumption
- Advanced Telecom Computing Architecture (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% to 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

- H.261, H.263, H.263++, H.264
- Up to 60 frames per second
- From QCIF to HD 1080p including intermediary resolutions (SIF, CIF, SD, WSD, and HD 720p)
- Up to HD 1080p 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, HD
- Content to H.239 and non-H.239 endpoints
- 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, 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

Capacity

- Up to 960 media resources and 360 audio resources (VOIP)
- Flexible Resource Capacity™ supports up to:
 - 15 HD 1080p endpoints in CP
 - 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
 - 90 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 supports up to 1200 active participants for high-scale, redundant conferencing

Management Tools

- RMX Manager offers Web-based access and application-based access
- Multi-RMX Manager—View up to 10 RMX platforms
- Administrator, operator, auditor, and chairperson views
- Onboard shelf management monitors and maintains hardware elements
- Complete XML API kit for 3rd party application integration
- Up to 1000 address book entries
- Address book quick search
- Operator conference
- Move participant between conferences
- Conference templates to easily save layouts for recurring meetings
- Internal reservation calendar for scheduling
- Scheduling options - Internal reservation calendar - Scheduling and gatekeeping functions via the Polycom Converged Management Application™ (CMA™) 4000/5000 solution
 - Polycom® Conferencing for Microsoft Outlook
- 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

- IP H.323 and SIP
- 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
- Frame rates
- Bit rates

IP QoS

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

Security

- AES media encryption (IP and ISDN)
- Transport layer security (SIP)
- Separation of management and media networks
- Tiered administrative access levels
- Secure conference mode
- Strong password policy

Approval and Compliance

- 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 – All platforms

- Integration with Polycom RSS™ series for recording and streaming
- Support for Polycom immersive telepresence rooms (Polycom RPX™, Polycom TPX™) HD multipoint conferencing
- Polycom Conferencing for Microsoft Outlook
- Unified conferencing (voice, video and data)
- Up to 24 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 of Polycom High Profile H.264 technology
- The 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 1000 virtual meeting rooms
- Advanced IVR flow
- Multilingual and transparent site name options
- H.239 support over H.323 cascaded links (between any Polycom bridges)

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.

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