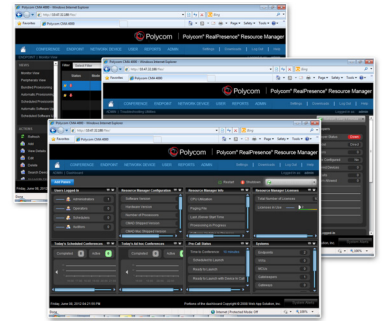# Polycom® RealPresence® Resource Manager

Video resource management for enterprise and service provider networks

The Polycom® RealPresence® Resource Manager software application, is an essential component of the Polycom® RealPresence® Platform for managing small to large scale video conferencing networks. The application monitors, manages and provisions thousands of video devices and provides directory, scheduling and reporting services. From this single, powerful management solution, organizations can manage video devices across a global network, including video-enabled tablets and smartphones, desktop systems, conference room systems, and immersive telepresence theatres. The organization benefits from both improved costs savings from resource optimization and operational efficiencies with API based provisioning and multi-tenant functions. End user experience is enhanced, providing easy dialing with presence and familiar directories, and low maintenance with remote configuration and automatic software updates.

The Polycom RealPresence Resource Manager is built on UC and video conferencing standards for operating systems, directory services, API architecture, multi-tenant functions and presence. This facilitates integration of the RealPresence Platform into a wide variety of deployment models, network designs, workflows, applications and unified communications networks.

For large scale networks, RealPresence Resource Manager along with the Polycom® RealPresence® DMA® provides a scalable and highly reliable video management solution. Both are built on Linux operating system and incorporate database schronization methods to reduce possible outage time. RealPresence DMA provides super clustering for scale and resiliency for video call control and bridge virtualization while RealPresence Resource Manager focuses on the device monitoring, management, directories, and scheduling functions. For smaller scale networks, the Polycom Video DualManager 400 includes both Resource Manager and RealPresence DMA solutions and scales up to 400 devices.

Benefits

- **Cloud/Service provider multi-tenant**—Host numerous customers or departments on a single platform, for operational efficiency and lower TCO

- **Simplified administration and provisioning**—Dynamically provision mobile, personal, and room based systems with feature sets, call quality, bandwidth and software updates, minimizing administration work and user setup

- **Centralized device management**—Single application to monitor and manage all endpoints in the network, immediate real time views of the status and health of the video network

- **Conference scheduling and management application**—Central application to manage, monitor and schedule on-going conferences, point to point or multi-party

- **API suite**—Combine with RealPresence DMA APIs for a complete video conferencing management API solution

Product specifications

Application highlights
- Device monitoring
- Device provisioning—Polycom and 3rd-party standards based endpoints
- Device software update
- Conference management
- Conference scheduling with web scheduler
- Conference scheduling through API
- Directory integration, global address books
- Presence engine for desktop clients
- Redundancy in hot standby mode configuration
- API Suite—including scheduling and conference management
- Multi-tenant for securely and discretely hosting multiple customers
- Support for Polycom® RealPresence® CloudAXIS™ Suite v1.1

Network infrastructure protocols
- H.323 and SIP device provisioning and management
- LDAP/H.350 directory support
- XMPP presence for desktop clients
- HTTPS/XML Provisioning
  - TLS—Security

System capacities and licensing
- 100–50,000 seats
- The Polycom RealPresence Manager seat capacity scales from 100 to 50,000 devices depending on the licensing selected. The entry-level platform comes pre-configured with a baseline capacity of 100 CAL (Client Access Licenses). Additional licensing

is offered in the following expansion license pack sizes: 100/500/1000. When applied to the system an expansion license pack augments the device license count. For example, applying a 100-device expansion license pack to a baseline system will yield a total license count of 200 concurrent licenses
- Optional: API, redundancy, multi-tenant

Hardware specifications
- Form Factor: 1U Rack-mountable chassis
- Dimension with bezel attached (W x H x D) 7.09 x 1.68 x 27.58 in (43.4 x 4.28 x 70.05 cm)
- Weight 35 lbs (15.87 Kg), maximum configuration
- AC configuration with redundant 750W hot-plug auto-switching universal 110/220V AC power supplies
- Proc: 2x E5-2620 Intel® Xeon® Processor, 2.0 Ghz with Turbo Hyperthreading or better
- RAM: 16 GB 1333 MHz or better
- HDD: 2 x 146 GB 15,000 rpm, running in a raid 1 configuration
- Power: 2 x Power supplies (Redundant conf.)
- Drives: CD/DVD Reader
- Other: 4 x USB 2.0 compatible ports
- 10/100/1000 Ethernet cards
- Rack: Rack mounting rail options
- Appearance: Polycom productized face plate or bezel

Environmental
- Temperature
  - Operating: 50–95º F (10–35º C)
  - Storage: -40–149º F (-40–65º C)
- Relative humidity (non-condensing)
  - Operating (twmax=26C): 10–80%
  - Storage (twmax=33C): 5–95%
- Vibration
  - Operating: 0.26 G at 5 Hz to 350 Hz
  - Storage: 1.87 Grms Random Vibration at 10 Hz to 500 Hz for 15 minutes
- Shock
  - Operating: 1 pulse of 31 G for up to 2.6ms
  - Storage: 6 pulses of 71 G for up to 2ms
- Altitude
  - Operating: -50–10,000 ft (-15.2–3,048 m)
  - Storage: -50–39,370 ft (15.2–12,000 m)

Regulatory compliance
- FCC (U.S. only) Class A, ICES (Canada) class A, CE Mark Class A,
- VCCI (Japan) Class A, BSMI (Taiwan) Class A, C-Tick (Australia/New Zealand) Class A,
- SABS (South Africa) Class A, CCC (China)

Software specifications
- OEM Linux operating system

Browsers
- Microsoft Internet Explorer v6.0, 7.0, or 8.0
- Mozilla Firefox v3.5 or 3.6
- Apple Safari v3.2, 4.0, or 5.0
- Adobe Flash Player v9.x or 10.x

Technical documentation
- Award-winning documentation for setting up, maintaining, and using the system available at www.polycom.com/videodocumentation
- For the latest /interoperability list, go to: www.polycom.com/support/network/management_scheduling/ResourceManager.html

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About Polycom

Polycom is the global leader in open standards-based unified communications and collaboration (UC&C) solutions for voice and video collaboration, trusted by more than 415,000 customers around the world. Polycom solutions are powered by the Polycom® RealPresence® Platform, comprehensive software infrastructure and rich APIs that interoperate with the broadest set of communication, business, mobile and cloud applications and devices to deliver secure face-to-face video collaboration in any environment.

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