

▶ Polycom® Distributed Media Application™ (DMA™) 7000

Highly Reliable and Scalable Multipoint Conferencing Solution

Centralized application for efficiently managing and distributing multipoint conferences throughout the network

The Polycom DMA 7000 provides a foundation for delivering widely-adopted conferencing solutions within enterprise and service provider environments. By simplifying conference management and accelerating ROI, the resilient and highly scalable Polycom DMA 7000 leverages its powerful application and media server resources to deliver powerfully customizable collaboration applications. Designed on dual application servers, databases and distributed port utilization, the Polycom DMA 7000 utilizes advanced routing policies to distribute audio and video calls to multiple media servers and automatically circumvent bridge issues, network outages and downtime typical of traditional upgrade or maintenance exercises.

Highly Scalable

Through centralized administration and provisioning, the Polycom DMA 7000 manages port allocation and usage across multiple media servers as a single seamless resource pool. The DMA 7000's rack and stack approach enables resources such as new media servers to be added, changed, or removed on the fly, without impacting the end user experience.

Unmatched Reliability

The Polycom DMA 7000 is the redundant front-end to the RMX series media servers, each of which deliver the scalability required for complex audio and video conferencing requirements. Redundant system elements range from hot-swappable ATCA components in the media servers to dual application servers for routing, call control and databases. The result is no single point of failure or downtime during modifications, adds, and upgrades.

Intelligent algorithms enable the Polycom DMA 7000 to dynamically route media server ports to the most efficient server and allocate the correct resources in real time. By eliminating wasted resources for no-show conferences and load balancing to maximize utilization from every port, the Polycom DMA 7000 ensures core elements of the conferencing infrastructure operate at optimal efficiency and provide uninterrupted service to end users.

Operational Efficiency

The Polycom DMA 7000 centralizes administration, call logging and port utilization monitoring. Conferences and user accounts are automatically assigned using the enterprise Active Directory database without a requirement for provisioning against individual bridges, enabling simplified management and data centralization.

Find Out More

Learn what the DMA 7000 solution can do for your organization. Visit us at www.polycom.com or contact your Polycom representative.



Benefits

- ▶ Large System Scale – Distributes and load balances calls to multiple Polycom RMX Series media servers and Codian 4500 via simple rack-and-stack expandability
- ▶ High Resiliency – Single points of failure eliminated, from redundant hot-swappable media server components to redundant application servers and databases
- ▶ Simplified Administration – User accounts and personal meeting rooms can be automatically provisioned centrally, with little or now administrative effort
- ▶ Increased Resource Utilization – Advanced routing algorithms, maximize resource utilization and dynamically distribute calls to the optimal media server
- ▶ Higher Success Rates – Media server resources are centrally managed and proactively identified as oversubscribed or unavailable and calls automatically route to an available media server without disruption

Polycom DMA 7000 Application and Hardware Specifications

Application Specifications

System Capacity

- 10 Polycom RMX 1500/2000/4000 and Codian 4500
- 1200 Audio/Video Ports

Application Features

- Automatic call routing using H.323/SIP
- Geographic distribution of media servers
- Auto Intelligent Cascade
- CMA/DMA share bridge resources
- Automatic conference failover
- Unified Communications Support Configurable conference templates
- Configurable group policies

Web Interfaces

- Support for: Microsoft® Internet Explorer® and Mozilla Firefox® browsers
- Real time dashboard for network administration
- Real time data updates on capacity and system information
- Logging and audit records for trouble shooting, diagnostics and reporting
- Capacity histogram of high water daily port utilization

Security

- Secure appliance-based architecture
- Linux operating system
- Integration with existing IT access control mechanisms e.g., active directory
- Lock-down of all nonessential services

Reliability

- Supports full redundancy with automatic failover
- High system availability
 - Duplicate application servers
 - Duplicate databases
 - Synchronized data updates and call processing
- Media server and resource (port) management
 - Multiple routing policies: zone-based, least used, and round robin
 - Busy out media servers for software or system capacity upgrades
 - Route to other media servers based on round robin and least used policies

System Management

- Quick initial configuration
- Role-based permission levels

- Policy-based device / resource controls
- Auto accounts and conference room creation when using corporate Active Director
- System logging
- Audit files
- SNMP support
- Alarming and Notification

Conference Protocol Support

- E.164 Dialing
- H.323 (IP) Video
- H.323 (IP) Audio
- SIP Audio/Video Support
- PSTN Audio via RMX 1500/2000/4000

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.

Hardware Specifications per Server

Physical Dimensions

- Form factor: 1U rack-mountable chassis
- 29.31" (74.4cm) D x 17.5" (44.43cm) W x 3.4" (8.64cm) H with bezel attached
- Rack weight 50.71 lbs (23 Kg), maximum configuration
- AC configuration with standard single or redundant 750W hot-plug auto-switching universal 110/220V AC power supplies
- Processor: 2x Intel® 5140 DC 2.33 or better
- RAM: 4GB 667mhz or better
- HDD: 2x 72gb 15,000rpm, running in a raid 1 configuration
- Power: 2x power supplies (redundant configuration)
- Drives: CD/DVD reader
- Other: USB 2.0 compatible ports, 3x 10/100/1000 Ethernet cards
- Rack: Rack mounting rail options
- Appearance: Polycom productized face plate or bezel

Environmental

- Operating temperature: 10° C to 35° C (50° F to 95° F)
- Storage temperature: -40° C to 65° C (-40° F to 149° F)
- Operating relative humidity (non-condensing twmax=29C):

- 20% to 80% non-condensing
- Maximum humidity gradient: 10% per hour, operational and non-operational conditions
- Storage relative humidity: 5% to 95% non-condensing (twmax=38C)
- Operating vibration: 0.26G at 5Hz to 350Hz for 2 minutes
- Storage vibration: 1.54Grms random vibration at 10Hz to 250Hz for 15 minutes
- Operating shock: 1 shock pulse of 41G for up to 2ms
- Storage shock: 6 shock pulses of 71G for up to 2ms
- Operating altitude: -16m to 3,048m (-50 ft to 10,000 ft)
- Storage altitude: -16m to 10,600m (-50 ft to 35,000 ft)

Regulatory Compliance

- FCC (U.S. only) Class A
- ICES (Canada) Class A
- CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3)
- VCCI (Japan) Class A
- BSMI (Taiwan) Class A
- C-Tick (Australia/New Zealand) Class A
- SABS (South Africa) Class A
- CCC (China) Class A
- MIC (Korea) Class A
- UL 60950-1
- CAN/CSA C22.2 No. 60950-1
- EN 60950-1
- IEC 60950-1

Service and Support

- Service support agreements are available for the Polycom DMA 7000 server, which provide for unlimited technical telephone support, software updates (bug fixes/release upgrades), and expedited replacement parts. Please contact your Polycom Reseller or Polycom Sales representative for more details.

Technical Documentation

- Award-winning documentation for setting up, maintaining, and using the system is available at: www.polycom.com/videodocumentation

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