

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

Highly Reliable and Scalable
Multipoint Conferencing Solution



Centralised 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 customisable collaboration applications. Designed on dual application servers, databases and distributed port utilisation, the Polycom DMA 7000 utilises 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 centralised 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 on the end user experience.

Unmatched Reliability

The Polycom DMA 7000 is underpinned by the Polycom Proxias™ application server and Polycom RMX series media servers, each of which deliver the scalability and reliability required for complex audio and video conferencing requirements. Redundant system elements range from hot-swappable ACTA 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, add-ons 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 maximise utilisation 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 centralises administration, call logging and port utilisation monitoring. Conferences and user accounts are automatically assigned using the enterprise LDAP database without a requirement for provisioning against individual bridges, enabling simplified management and data centralisation.

Find Out More

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

- ▶ Large System Scale
 - Distributes and load balances calls to multiple Polycom RMX 2000™ media servers 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 are provisioned from a central server
- ▶ Increased Resource Utilisation – Advanced routing algorithms, maximise resource utilisation 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

DMA 7000 Application and Hardware Specifications

Application Specifications

System Capacity

- 10 Polycom RMX 2000s
- 1200 Audio / Video Ports
- 1200 Concurrent Calls

Application Features

- Automatic call routing using H.323
- Geographic distribution of media servers
- Configurable conference templates
- Configurable group policies

Web Interfaces

- Adobe® Flex® design for support of 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 troubleshooting, diagnostics and reporting
- Capacity histogram of high-water daily port utilisation

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
 - Synchronised data updates and call processing
- Media server and resource (port) management
 - Route to media server best suited and available to process the call
 - 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 LDAP directories
- System logging

- Audit files
 - SNMP support
 - Alarming and Notification
- ### Conference Protocol Support
- E.164 Dialling
 - H.323 (IP) Video
 - H.323 (IP) Audio
 - Polycom MGC™ as a gateway for ISDN Video or PSTN aAudio

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
- 74.4 cm (29.31") D x 44.43 cm (17.5") W x 8.64 cm (3.4") H with bezel attached
- Rack weight 23 Kg (50.71 lbs), 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 branded 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=29 C): 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=38 C)
- Operating vibration: 0.26 G at 5 Hz to 350 Hz for 2 minutes
- Storage vibration: 1.54 Grms random vibration at 10 Hz to 250 Hz for 15 minutes
- Operating shock:
 - 1 shock pulse of 41 G for up to 2 ms
- Storage shock:
 - 6 shock pulses of 71 G for up to 2 ms
- Operating altitude:
 - 16 m to 3,048 m (-50 ft to 10,000 ft)
- Storage altitude:
 - 16 m to 10,600 m (-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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