

# ▶ Polycom® Converged Management Application™ (CMA™) 4000



## Enterprise-wide Video Conference and Management Solution

The Polycom Converged Management Application (CMA) manages and delivers real-time video conferencing throughout the enterprise. With Polycom CMA, organizations can video-enable personal workspaces, desktops, conference rooms, and mobile devices using a single highly scalable application. The enterprise benefits from improved communication that speeds decision making and seamlessly extends the power of video to all parts of the organization.

At the core of the solution is the Polycom CMA Server, a standards-based management application enabling large scale directory services, central provisioning, and management for thousands of video endpoints, including both high definition telepresence and legacy video conferencing systems. The benefit to IT management includes faster and simpler deployments, centralized control of video assets, and widescale turnkey updates.

### **Easily Connect to Anyone, Anywhere.**

The Polycom CMA Desktop is a PC-based application that enables high quality video and voice communication and standards-based content sharing. Easy to learn and highly intuitive, the Polycom CMA Desktop allows enterprise users to simply point and click to collaborate with colleagues over video any place, any time. Integrated presence-awareness allows users to verify contact availability and status, and seamless LDAP directory integration both simplifies management and ensures contact list accuracy.

Centrally managed and distributed through the Polycom CMA Server, Polycom CMA Desktop clients are managed within the same video ecosystem as telepresence and traditional video conferencing systems, providing a powerful solution that spans all video client environments. Polycom CMA Desktop clients are included as a component to the Polycom CMA Server, with licensing based on the industry-recognized CAL (Client Access License) deployment model. Polycom CMA can support up to 400 registered clients, including a mixture of Polycom CMA Desktop, telepresence, and traditional video conferencing systems.

### **Find Out More.**

Learn what a Polycom CMA conference and management solution can do for your organization. Visit us at [www.polycom.com](http://www.polycom.com) or contact your Polycom representative.

### **Benefits**

- ▶ Enterprise Scale Directory – Integration with existing corporate directories, up to 400 registered endpoints
- ▶ Centralized Deployment and Provisioning – Personal and room-based clients with feature sets, call speeds, and call quality
- ▶ Highly-secure – IT-based standards for signaling, media and authentication
- ▶ Supports Existing Systems – Seamless interoperability with existing telepresence or legacy video conferencing systems
- ▶ Industry Standard Design – Investment protection, with industry standards including H.323, LDAP/H.350, XMPP and XML

# Polycom CMA 4000 Specifications

## Software Specifications

### Network Infrastructure Protocols

- H.323
- LDAP/H.350
- XMPP
- HTTPS:/ XML Provisioning
- AES – Media encryption
- TLS – Security

### System Capacities and Licensing

- 200 – 400 seats

The Polycom CMA seat capacity scales from 200 to 400 devices depending on the licenses selected. The entry-level platform comes preconfigured with a baseline capacity of 200 CAL (Client Access Licenses). Additional licensing is offered in 100 pack increments up to 400 total. When applied to the system and 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 300 concurrent licenses. Where applicable, the number of concurrent calls supported by CMA is derived from the number of device licenses with 30% or 60% of total device license depending on Routed vs. Direct mode. As an example a system licensed for 400 devices supports up to 120 concurrent calls in Routed Mode and up to 240 calls in Direct Mode.

## Hardware Specifications

### Appliance

- Form Factor: 1U Rack-mountable chassis
- 30" (76.2cm) D x 19" (48.26cm) W x 1.69" (4.29cm) H with bezel attached
- Rack Weight 39 lbs (17.69 Kg), maximum configuration
- AC configuration with standard single or redundant 750W hot-plug auto-switching universal 110/220V AC power supplies
- Proc: 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 conf.)
- 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 71 G 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

## Other Requirements

- External Database (optional)
- Microsoft SQL Server 2005
- Windows 2000 / Windows XP
- Microsoft Internet Explorer® 6.x or higher
- Adobe® Flash® Player version 9.0 or higher

## Polycom CMA Desktop – PC Software Requirements

- Supported Microsoft PC Operating Systems: Windows XP with SP2 or greater  
Windows XP Professional – 32 bit  
Windows Vista, Microsoft Windows Vista SP1  
Windows Vista Enterprise  
Windows Vista Business
- DirectX 9.0b or 10.0 compatible adapter
- Client Supported Languages: English, French, German, International Spanish, Simplified Chinese

## Polycom CMA Desktop – PC Hardware Requirements

- Basic: (Up to QVGA) – 1.5 GHz P4, 1.2 GHz Pentium M or higher
  - Standard: Up to CIF, People+Content) – 2.0 GHz P4, Pentium M 1.4GHz
  - Premium: (Up to VGA, People+Content) – 3.2 GHz Pentium, Pentium M 2.0 GHz
  - HD: (Up to 720p receive only) – Core Duo 2.0 GHz
  - RAM: XP – 1GB  
Vista – 2GB
  - Storage: 30GB
  - 256 MB video RAM recommended for Vista
  - Display: XGA, 16-bit color or higher
- \*Results based on test scenarios; actual performance may vary based on software or hardware configurations.*

## Supported USB Cameras

- USB 2.0 Web Cameras: Microsoft Lifecam VX 6000, Microsoft Lifecam VX 3000, Logitech QuickCam Pro 9000, Creative WebCam Live! Motion, Logitech QuickCam Notebooks Pro, GlobalMedia IREZ K2

## Supported Audio Devices

- Global Media AMH-300V Headset, Plantronics DSP-400 USB Headset, Clear One Chat 50, Polycom Communicator™ (Microsoft Windows XP only), Logitech Quickcall speakerphone

## Technical Documentation

Award-winning documentation for setting up, maintaining, and using the system available at [www.polycom.com/videodocumentation](http://www.polycom.com/videodocumentation).

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