



# Polycom® Converged Management Application™ (CMA) 4000/5000

## Enterprise-wide Video Conference and Management Solution



### Benefits

**Enterprise Scale Directory** – Integrates with existing corporate directories and supports up to 5000 concurrently registered endpoints and 1500 concurrent calls

**Centralized Deployment and Provisioning**

– All personal and room-based clients are provisioned from a central server, including feature sets, call speeds, and call quality

**Highly Secure** – Integrated encryption secure interaction integrity while operating system, signaling, authentication and media are natively protected

**Supports Existing Systems** – Clients provisioned by the CMA 5000 seamlessly conference with existing telepresence or legacy video conferencing systems on the network

**Industry Standard design** – Providing advanced capability and interoperability for investment protection, Polycom CMA uses industry standards including H.323, LDAP/H.350, XMPP and XML

**Part of a complete, market-leading conferencing and collaboration solution**

## Polycom CMA 4000/5000 – powerful centralized video

The Polycom Converged Management Application (CMA) delivers and manages real-time video conferencing throughout the enterprise. With Polycom CMA, organizations can video-enable individuals and groups in conference rooms, personal workspaces, desktops, 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 enterprise-class 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.

For users, the Polycom CMA Desktop is a PC-based application for communicating over video and voice and sharing content. Easy to learn and highly intuitive, the 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 deployed through the CMA Server, CMA Desktop clients are managed within the same video ecosystem as telepresence and tradition room-based video conferencing systems, providing a powerful solution that spans all video client environments. CMA Desktop clients are included as a component to the CMA Server, with licensing based on the industry-recognized CAL (Client Access License) deployment model. CMA Desktop clients range from 200 up to 5000 clients.

### Make Great Things Happen with the Polycom CMA

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in visual communications and audio conferencing, our award-winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you, too, can achieve great things with Polycom CMA.



Video/Voice/Data/Wo

## Software Specifications

### Network Infrastructure Protocols

- H.323
- LDAP/H.350
- XMPP
- HTTPS:/ XML Provisioning

### Security

- AES – Media encryption
- TLS – Call authentication

### System Capacities and Licensing

- 200 – 5000 seats
- The CMA seat capacity scales from 200 to 5,000 devices depending on the model selected. The entry-level platform comes preconfigured with a baseline capacity of 200/500 CAL (Client Access Licenses). Additional licensing is offered in the following expansion license pack sizes: 100/500/1000. 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 a CMA is derived from the number of device licenses at a 1500/5000 ratio (call/devices). As an example, a system licensed for 5000 devices supports up to 1500 concurrent calls in routed mode, 3000 calls in direct mode.

### 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.

### Service and Support

Service support agreements are available for the Polycom CMA 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.

### Polycom Device Version Requirements

- CMA Desktop client version 4.0 or greater

## Hardware Specifications

### Appliance

- 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
- 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 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

### PC Hardware Requirements

- Basic Video (CIF/QVGA with People+Content, H.239 standard)
- Processor – 2.4 GHz Pentium 4 or higher
- SD Send and Receive (30 fps 4SIF/VGA with People+Content, H.239 standard) Dual Core recommended
- Processor: 3.6 GHz Pentium 4 or 1.86 GHz Core 2 Duo or higher  
Pentium M at 1.6 GHz or higher  
Athlon XP 1.8 GHz or higher
- SD Send, HD Receive (720p, 30 fps with People+Content) Core Duo 2.0 GHz or higher (with support for all multi-core systems) People+Content Core Duo 2.2 GHz and higher

- Memory Recommended: Microsoft Windows XP – 512 MB RAM, 1GB Microsoft Window Vista – 1GB RAM, 2GB

- Storage: 20M

- Display: Standard Definition – SVGA display (800x600) 16-bit color or higher  
High Definition – SXGA display (1280x1024) 16-bit color or higher

### 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 Ultra Vision, 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

### 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
- 256 MB video RAM for Windows Media
- Client Supported Languages: English  
French  
German  
International Spanish  
Simplified Chinese

### 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 Device Version Requirements

- Network 128 Kbps & above (Cable, DSL, or LAN)
- HDX Series video endpoints (all software versions)
- V-Series video endpoint (all software versions)
- ViewStation video endpoint 7.x or higher
- ViewStation SP video endpoint 6.x or higher
- ViewStation FX/EX video endpoint 5.x or higher
- PVX™ software application 8.0.1 or higher
- MGC™ conferencing bridge 7.0.4 or higher
- RMX 2000™ platform 1.0 or higher
- H.323 Support of Third-Party Device and Equipment Support

Please contact your Polycom reseller or a Polycom sales representative for more details.

### 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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**Polycom Headquarters:**

4750 Willow Road, Pleasanton, CA 94588 (T) 1.800.POLYCOM (765.9266) for North America only.  
For North America, Latin America and Caribbean (T) +1.925.924.6000, (F) +1.925.924.6100

**Polycom EMEA:**

270 Bath Road, Slough, Berkshire SL1 4DX, (T) +44 (0)1753 723000, (F) +44 (0)1753 723010

**Polycom Asia Pacific:**

8 Shenton Way, #11-01 Temasek Tower, Singapore 068811 (T) +65.6389.9200, (F) +65.6323.3022

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