



Polycom® RAS™ 200A

SIP conferencing application server enables video conferencing through Alcatel IP Touch phones



Benefits

Seamlessly integrates Alcatel IP telephony with Polycom video conferencing systems – Alcatel OmniPCX Enterprise, plus Polycom MGC, VSX, and PVX VOA

On-demand video conferencing through IP Touch phones – Enables point-to-point (P2P) and three-way video calling, as well as multiparty conferencing with Polycom VSX

Presence enabled – See remote user's "Video readiness" on your IP Touch phone prior to making a video call

Scalability – Up to 500 registered end points; up to 50 concurrent point to point video sessions with maximum of 100 users; and up to 50 multipoint participants

Standards-based – SIP, H.320 interoperability through Polycom VSX; and up to H.264 quality video

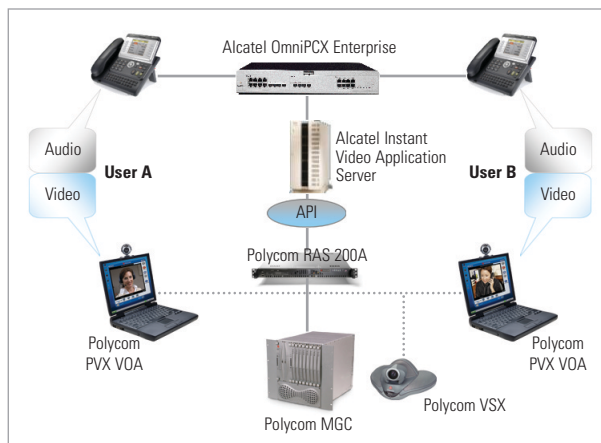
Polycom PVX VOA desktop video client is an integral part of RAS 200A – Designed to work with IP Touch phones, delivers high-quality video on desktop with standard USB camera

Investment protection – Extends capabilities of Alcatel OmniPCX Enterprise by enabling video conferencing through IP Touch phones

Now it's easy to enable video conferencing through your IP Touch phones, simply by using the RAS 200A SIP conferencing application server.

Integration Made Easy

With the integration of Alcatel IP Touch phones, desktops, and room-based video conferencing systems, making a video call is as easy as making a traditional phone call. The Alcatel Instant Video solution is built around Polycom's RAS 200A SIP conferencing application server. It integrates the Alcatel OmniPCX Enterprise™ environment with Polycom's best video conferencing solutions – MGC™, VSX™, and PVX™ VOA.



Here's how it works: A back-to-back user agent (B2BUA), the Polycom RAS 200A, responds to requests from the Alcatel Instant Video AS to create, hold, transfer, or hang up video conferences between Polycom VSX and PVX VOA video clients, and the Polycom MGC unified conferencing bridge over SIP.

Escalate a Point-to-Point Audio Call to a Video Conferencing Session

Want to display video on your Polycom devices? No problem. A P2P call between two IP Touch phones can be seamlessly escalated to show video. For desktop video, the audio stays on the IP Touch device, while video is displayed using Polycom PVX VOA client. For VSX systems, both audio and video are supported on the VSX. Similarly, using IP Touch, a call can be escalated to a three-way video conference.

Convergence of Desktop and Meeting Rooms

With the integration of Polycom VSX, you can host multipoint conference calls with remote customers, partners, and suppliers. In a Join Me scenario, take advantage of the VSX's embedded MCU capabilities to interoperate with an external VSX site over H.320.



Easy to Manage and Deploy

To simplify system configuration and management, the RAS 200A utilizes a Web-based management interface. All end points automatically register to the RAS 200A server through an auto-discovery mechanism, eliminating the need for any external administration. This allows IT managers to roll out video capabilities throughout the enterprise even faster.

Lower Total Cost of Ownership

Save money when enabling video conferencing by leveraging your existing investment in desktops and IP Touch phones. To speed up deployment in a large-scale environment, no training is required, as end users can continue to use the same IP Touch commands to manage their video calls.

Make Great Things Happen with RAS 200A SIP Conferencing Application Server

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 voice, video, data and Web solutions, 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 RAS 200A SIP conferencing application server.

Polycom RAS 200A Technical Specifications

Polycom RAS 200A Server

Platform Support

- Polycom MGC 7.5
- Polycom PVX VOA 8.0.2
- Polycom VSX 8.5.2
- Alcatel OmniPCX Enterprise 7.1
- Alcatel Instant Video Application Server
- Alcatel IP Touch 4068/38/28
- Alcatel API Framework 2.2 (PRS and OTS)

Video

- H.261
- H.263
- H.264

Audio

- G.711a
- G.711u
- G.722
- G.728

Network Protocols

- SIP
- Interoperability with H.320 via Polycom VSX

Scalability

- Up to 500 registered end points
- Up to 50 concurrent point to point video sessions with maximum 100 users
- Up to 50 multipoint users

Physical

- Form Factor: 1U Rack mount (19")
- Height: 1.7" (43 mm)
- Width: 16.8" (424 mm)
- Depth: 14" (356 mm)
- Gross Weight: 17 lbs (7.7 kg)

Power

- Power Supply: Thermal control 260W AC with PFC
- AC Voltage: 100 – 240 VAC, 60-50 Hz, 5-3 Amp

Network Interface

- Supports 10Base-T, 100Base-TX, 1000BASE-TX, RJ45 output

Environmental

- Operating temperatures: 10° C to 35° C
- Storage temperatures: -40° C to 70° C
- Relative humidity: 8% to 90% (Non-condensing)

Regulatory Compliance

- Electromagnetic Emissions: FCC Class B, EN 55022 Class B, EN 61000-3-2/-3-3, CISPR 22 Class B
- Electromagnetic Immunity: EN 55024/CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 610004-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)

Safety

- EN 60950/IEC 60950-Compliant
- UL Listed (USA)
- CUL Listed (Canada)
- TUV Certified (Germany)
- CE Marking (Europe)

Polycom PVX™ VOA desktop client

Communications Protocol

- SIP as part of Alcatel Instant Video

Video

- H.261, H.263, H.263+, H.264 (H.264 calls not supported in all calling scenarios)
- Multiple Monitor Support — must be supported by PC video card
- Picture-In-Picture (PIP)
- Full screen support
- Video-only mode with Toolbar View
- Brightness control — automatic or manual adjustment to near side video image

People Video Resolution

- VGA (640x480) — High resolution Webcam
- Half-VGA (320x480)
- CIF (352 x 288 pixels)
- SIF (352 x 240 pixels)
- QCIF (176 x 144 pixels)
- QVGA (160 x 120 pixels) — Native Web camera resolution

Cameras Supported

- Recommended: GlobalMedia® iREZ™ K2 Camera USB 2.0 (supports VGA @30fps)
- Creative® WebCam Live!® Motion
- Creative WebCam Live! Pro
- GlobalMedia iREZ KD 1394
- Logitech® QuickCam® Pro 5000
- Logitech QuickCam Pro 4000
- Logitech QuickCam for Notebooks Pro
- Logitech QuickCam Orbit MP
- Logitech QuickCam Fusion™

Network Interface (for PVX VOA component only)

- IP Network (PC-based network interface)
- Recommended call speed: 512 Kbps
- Minimum call speed: Bandwidth of 64 Kbps
- Network allocation: 2+ times call speed desired

Minimum System (PC) Requirements

- H.264 video — P4 1.5GHz and above 1800+ Athlon XP (select calling scenarios only), 1.2 Ghz Intel® Pentium® M
- H.263 video — PIII 1GHz/P4 1.2GHz and above, 1800+ Athlon XP, 900 Mhz Intel Pentium M
- OS Supports Windows® XP SP2, SP1
- Other Microsoft® Software Requirements — Direct X 9.0b and above, Windows Media® Player 9 and above
- Memory 256 MB RAM (512 MB recommended)
- Storage 100 MB available hard disk space
- Display SVGA display (800x600) 16-bit color or higher

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