



POLY CLARITI SOLUTION SPECIFICATIONS

POLY CLARITI CORE AND POLY CLARITI EDGE HOST SPECIFICATIONS AND CAPACITIES

COMPONENT	SMALL DEPLOYMENT	MED-LARGE DEPLOYMENT
Supported Deployments	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), Amazon Web Services (AWS), and Appliance Server	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), Amazon Web Services (AWS), and Appliance Server
Virtual Core	6	12
Minimum CPU Speed	2.4 GHz	2.4 GHz
Total Required GHz	14.4 GHz	28.8 GHz
Minimum CPU Family	Haswell	Haswell
Memory	16GB	16GB
Storage	146 GB	146GB
Random IOPS	110 total	210 total
Performance	200 concurrent calls	<ul style="list-style-type: none"> • Poly Core <ul style="list-style-type: none"> - 5000 concurrent calls - Up to 1200 H.323 calls, not to exceed 5000 total calls - Up to 3600 SIP calls (encrypted or unencrypted), not to exceed 5000 total calls • Poly Edge and combination systems (Poly Clariti Core and Poly Clariti Edge) <ul style="list-style-type: none"> - Up to 1000 concurrent calls
Note	<ul style="list-style-type: none"> • AWS deployment <ul style="list-style-type: none"> - Use instance type t2.xlarge • Azure deployment <ul style="list-style-type: none"> - Use instance type D8d v4 	<ul style="list-style-type: none"> • AWS deployment <ul style="list-style-type: none"> - Use instance type t4.xlarge • Azure deployment <ul style="list-style-type: none"> - Use instance type D16s v2

POLY CLARITI RELAY HOST SPECIFICATIONS AND CAPACITIES

COMPONENT	SMALL DEPLOYMENT	MED-LARGE DEPLOYMENT
Supported Deployments	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), and Amazon Web Services (AWS)	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), and Amazon Web Services (AWS)
Virtual Core	6	12
Minimum CPU Speed	2.4 GHz	2.4 GHz
Total Required GHz	14.4 GHz	28.8 GHz
Minimum CPU Family	Haswell	Haswell
Memory	16GB	16GB
Storage	146 GB	146GB
Random IOPS	110 total	210 total
Performance	200 concurrent calls	<ul style="list-style-type: none"> • Poly Clariti Relay - Up to 1000 concurrent calls
Note	<ul style="list-style-type: none"> • AWS deployment - Use instance type t2.2xlarge • Azure deployment - Use instance type D8d v4 	<ul style="list-style-type: none"> • AWS deployment - Use instance type t4.4xlarge • Azure deployment - Use instance type D16s v2

POLY CLARITI WORKFLOW LITE HOST SPECIFICATIONS AND CAPACITIES

COMPONENT	SMALL DEPLOYMENT	MED-LARGE DEPLOYMENT
Supported Deployments	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), Amazon Web Services (AWS), and customer server	VMware, Microsoft Azure, Kernel-based Virtual Machine (KVM), Amazon Web Services (AWS), and customer server
Operating System	Customer provided Microsoft Server	Customer provided Microsoft Server
Virtual Core	2	4
Minimum CPU Speed	2.4 GHz	2.4 GHz
Total Required GHz	4.8 GHz	9.6 GHz
Minimum CPU Family	Haswell	Haswell
Memory	8 GB	16 GB
Storage	80 GB	80 GB
Random IOPS	110 total	210 total
Performance	Up to 500 devices	Up to 1000 devices
Note	<ul style="list-style-type: none"> • AWS deployment - Use instance type t2.2xlarge • Azure deployment - Use instance type D8d v4 	<ul style="list-style-type: none"> • AWS deployment - Use instance type t2.xlarge • Azure deployment - Use instance type D4d v4

POLY CLARITI CORE AND POLY CLARITI EDGE FEATURES

- Redundant/fault tolerant application clusters
- Cluster/supercluster configuration
- Geographical distribution of application cluster
- Geographic distribution of MCUs
- Web server for Poly Clariti App and Poly Clariti Roster
- Poly Clariti Relay MCU management
- Poly EVO Signaling
- Conference Control (Roster) APIs
- Signaling gateway between SIP MRC and Poly EVO
- Access proxy
- Firewall/NAT traversal
- Combined edge and core combo configuration for all core conferencing and firewall traversal needs on one device
- Auto-cascade for size and bandwidth
- SVC cascade between RPCS/RMX and Poly Clariti Relay MCUs
- Automatic call routing using H.323/SIP
- API Suite for provisioning, billing and conference management
- Automatic SIP conference failover
- Unified communications support
- Configurable conference templates
- Configurable group policies
- Support of multiple dial plans
- HTML5 user interface for administration
- Point-to-point call to VMR escalation (works with Poly Group Series v6.1.5 or higher)
- Simplified deployment options for Polycom ContentConnect using the Clariti Core MatchMaker load balancer
- SIP and H.323 remote users (registered/provisioned endpoints)
- SIP and H.323 guest users (unregistered/un-provisioned endpoints)
- SIP and H.323 business-to-business calling
- RTP/SRTP media relay
- AVC and SVC support
- LDAP/H.350 directory
- XMPP presence
- HTTPS/XML provisioning
- TLS security
- STUN/TURN server
- E.164 dialing
- Poly EVO audio/video/content
- H.323 audio/video/content
- SIP audio/video/content support
- PSTN/ISDN audio/video via Polycom RealPresence Collaboration Server 2000/4000
- Telepresence Interoperability Protocol (TIP)
- License pooling across clusters
- Support for NIC bonding
- High system availability
 - Duplicate application servers (clusters)
 - Geographically distributed
- Scalable Video Coding (SVC)
- VLAN Reliability
- Supports full redundancy with automatic failover
- Cluster and super cluster configurations for full redundancy with automatic failover throughout the network application clusters
 - Replicated databases
 - Synchronized data updates and call processing
 - Mix and match appliance and virtual machine for high availability
- Media server and dynamic resource (port) management
 - Multiple routing policies: zone-based, least used, priority
 - Media server management Capacity
- Supports up to 64 Polycom RealPresence Collaboration Servers and Cisco Telepresence MCU
- Single cluster (node) supports:
 - Registrations: 15,000
 - Point to point concurrent calls: 5,000
 - VMR concurrent calls - SIP = 2,400 - H.323 = 1,200 Poly EVO = 5000
- Supercluster
 - up to 10 servers in a cluster
- Poly Clariti Edge supports up to 1,000 concurrent calls
- Linux operating system
- Integration with existing IT access control mechanisms (e.g., Microsoft Active Directory)
- Lock-down of all nonessential services
- Does not provide or affect Assured Services Features (ASFs)
- Access List (ACL) Call control features
- SIP registrar as released, reduce downtime
- User adoption services
- Increase usage through training and awareness
- Support services
 - Access features and enhancements

POLY CLARITI RELAY FEATURES

VIDEO SUPPORT

- From QCIF to 1080p including intermediate resolutions
- H.264 (H.264 Annex G (SVC))
- 16:9 aspect ratio
- H.264 content sharing resolution
- No video / content transcoding
- High scale

AUDIO SUPPORT

- Siren 22 LPR for SVC calls
- Siren 22 LPR SAC (Scalable Audio Coding) for SVC calls
- Opus for SVC calls

IP QOS

- Polycom Lost Packet Recovery (LPR)
- Polycom error resiliency algorithms for SVC calls
- DiffServ
- Voice and video error concealment

NETWORK SUPPORT

- SRTP Support–video and content
- SIP video and content
- IPV4
- 10/100/1000 Mb interface

SECURITY

- AES 128/256 bit media encryption
- Transport layer security (Poly EVO and management network)
- Unified conferencing (voice, video and data)
 - Advanced error resiliency for SVC calls
 - Lobby support
 - SVC cascade with Poly RealPresence Collaboration Server/RMX

MANAGEMENT

- Done via Poly Clariti Core/Edge

POLY CLARITI WORKFLOW LITE FEATURES

SIMPLIFIED SCHEDULING

- Interoperability
 - Poly EVO
 - SIP
 - H.323 conferences
- Calendaring
 - Microsoft Exchange Server 2010 or after, Microsoft Office 365 with Modern Auth, Microsoft Office 365 vNext
- SSO integration

- VMR/Meeting ID
 - Random, Assigned, Manual Entry, Audio/Video mute on Join, meeting passcodes
- Customizable meeting invitation/ notification templates
- Deploy templates and settings for mass user deployment
- One Touch Dial (OTD) from Poly Endpoints

- Poly Studio X30, Poly Studio X50 and G7500
- Poly EVO Client
- Poly Group Series
- Polycom HDX
- RealPresence Desktop
- High Availability Support
- Upgrade from Poly Clariti Workflow Lite to Poly Clariti Workflow Suite

POLY CLARITI APP FEATURES

VIDEO SUPPORT

- H.264
- Up to 16 Streams visible
- Up to 1080p/30 fps

AUDIO SUPPORT

- Opus
- Content support
- Configurable content sharing policy
- Up to 1080p/30 fps

BROWSER SUPPORT

- Chrome

SECURITY

- dTLS (SRTP with AES 128/256 bit) for media encryption
- HTTPS signaling

END USER CALL CONTROLS

- Group Chat
- Polling/voting
- Hand Raising
- Mute/Unmute Self/Other
- Mute/Unmute on Join
- Participant List
- Chairperson/Moderator

- Guest Mode
- Integration with Outlook via Poly Workflow Lite Easy Schedule add-in

LICENSING

- Poly Clariti Call License
- Management
- Done via Poly Clariti Core/Edge
- Content support
- Configurable content sharing policy
- Up to 1080p/30 fps

SIGNALING

- WebRTC with Poly EVO

LEARN MORE

For more information about Poly Services, contact your authorized Poly representative for partner. Alternately, visit www.poly.com