

Polycom® RealPresence® Collaboration Server (RMX) 2000/4000

The following table presents product capabilities which are supported, but not necessarily required. Requirements will vary based on your environment.

Application	Encryption Function	Description	Supported Protocols
H.320 Media Encryption	Confidentiality Integrity	End-to-end encryption of H.320 videoconferencing media (audio, video) between product and far-end conference peer	H.221/H.233/H.234
H.323 Media Encryption	Confidentiality Integrity	End-to-end encryption of H.323 videoconferencing media (audio, video) between product and far-end conference peer	RTP per H.235.1/H.235.6
SIP Media Encryption	Confidentiality Integrity	End to end encryption of SIP videoconferencing media (audio, video) between product and far-end conference peer	SRTP per RFCs 3711, 4568
SIP Authentication	Authentication	Provides authentication of the product's SIP user agent credentials to the SIP Proxy/Registrar	Digest (RFC 2617)
SNMP Agent	Authentication Integrity Confidentiality	Allows SNMP console applications to connect to the product over an encrypted SNMPv3 channel	SNMPv3 per RFC 2574, 3826
Secure Shell (SSH) Server	Authentication Integrity Confidentiality	Provides a remote control/management interface over an encrypted SSH channel	SSH-2 per RFC 4251, 4252, 4253, 4254, 4255
802.1X Supplicant	Authentication Integrity Confidentiality	Allows product to authenticate to a Layer 2 switch that is using 802.1X for authentication using either hashed credentials over a clear channel (EAP-MD5) or over an encrypted TLS channel	EAP_MD5 EAP_TLS PEAPv0_MSCHAPv2 TLS 1.0, 1.1, 1.2
Exchange Calendaring Client	Authentication Confidentiality Integrity	Provides meeting invites for scheduled conferences when product is integrated with Microsoft Exchange Server	TLS 1.2,1.1,1.0

Application	Encryption Function	Description	Supported Protocols
LDAP Directory Client for External AD Authentication	Authentication Confidentiality Integrity	Allows product to authenticate user credentials with a Microsoft Active Directory Server over an encrypted TLS channel	TLS 1.2,1.1,1.0
SIP Signaling Channel (Client)	Authentication Confidentiality Integrity	Carries SIP call signaling information between product and a SIP Proxy/Registrar Server	TLS 1.0 TLS 1.1 TLS 1.2
IVR Announcement File Retrieval Client	Authentication Confidentiality Integrity	Allows the product to obtain Inbound Voice Response (IVR) announcement audio files from an external source as part of the "External IVR Service" feature. The files passed over this connection are the recorded audio announcements – they are loaded once at system initialization time and then are subsequently played by the RMX IVR subsystem. Examples of such announcements include ones such as "Thank you for calling. You have reached the automated attendant. Please enter the ID of the conference you wish to attend, and then press the '#' key."	TLS 1.0 TLS 1.1 TLS 1.2
Management API Server	Authentication Confidentiality Integrity	Provides a local management interface over encrypted HTTPS (used for Web UI, REST API)	TLS 1.0
SIP Signaling Channel Server	Authentication Confidentiality Integrity	Allows a SIP proxy server to send videoconferencing call signaling to the product on an encrypted TLS channel	TLS 1.0 TLS 1.1 TLS 1.2

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