Polycom® RealPresence® Group Series

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.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, 6188
H.323 Authentication	Authentication	Provides authentication of the product's H.323 endpoint credentials to the H.323 GK	H.235.1
SIP Authentication	Authentication	Provides authentication of the product's SIP user agent credentials to the SIP Proxy/Registrar	Digest (RFC 2617) NTLMv2
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 (RFC 3748) EAP-TLS (RFC 2716) EAP-TTLS (RFC 5281) EAP-PEAPv0 (RFC 2759) TLS 1.2,1.1,1.0
Exchange Calendaring Client	Authentication Confidentiality Integrity	Provides meeting invites for scheduled conferences when product is integrated with Microsoft Exchange Server over an encrypted TLS channel	TLS 1.2, 1.1, 1.0
External AD Authentication Client	Authentication	Allows product to authenticate user credentials with a Microsoft Active Directory Server over an encrypted TLS channel	TLS 1.2, 1.1, 1.0

Lync Directory Client	Authentication Integrity Confidentiality	Allows product to retrieve enterprise directory entries from a Microsoft Lync server over an encrypted TLS channel	TLS 1.2, 1.1, 1.0
LDAP Directory Client	Authentication Integrity Confidentiality	Allows product to retrieve enterprise directory entries from a Microsoft Active Directory-compatible server over an encrypted TLS channel	TLS 1.2, 1.1, 1.0
SIP Signaling Channel Client	Authentication Integrity Confidentiality	Allows product to register to a SIP registrar/proxy server to access videoconferencing call services over an encrypted TLS channel	TLS 1.2,1.1,1.0
Syslog Client	Authentication Integrity Confidentiality	Allows product to post syslog entries to a remote syslog server over an encrypted TLS channel	TLS 1.2, 1.1, 1.0
RPRM Management Client	Authentication Integrity Confidentiality	Allows product to register with the Polycom RealPresence Resource Manager management server to obtain product provisioning and monitoring services over an encrypted TLS channel	TLS 1.0, 1.1, 1.2
Error Log Reporting Client	Authentication Integrity Confidentiality	Allows product to post error logs to Polycom over an encrypted TLS channel	TLS 1.0, 1.1, 1.2
Software Update Client	Authentication Integrity Confidentiality	Allows product to check for and obtain software update images from a configured software update server over an encrypted TLS channel	TLS 1.0, 1.1, 1.2
XMPP Client	Authentication Integrity Confidentiality	Allows product to post its current presence state to a configured XMPP server and obtain presence information for other users/devices from the XMPP server, using an encrypted TLS channel Note: XMPP chat service is not supported by the product.	TLS 1.0,1.1,1.2
Management API Server	Authentication Integrity Confidentiality	Provides a local management interface over encrypted HTTPS (used for Web UI, REST API)	TLS 1.2, 1.1, 1.0
WPAD PAC Discovery	Authentication Integrity Confidentiality	Provides a method used to locate the URL of a configuration file (PAC file) using DHCP discovery	TLS 1.2, 1.1, 1.0 NTMLv2 Digest (RFC)

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