



DATA SHEET

Polycom® ISDN Gateway

With the Polycom® ISDN Gateway you can use your Polycom® RealPresence® Group video conferencing system to make secure video calls over ISDN networks. You can connect more easily with customers, partners, or others inside or outside your organization over ISDN while benefitting from improved video, audio and content experiences with RealPresence Group Series.

The Polycom ISDN Gateway connects to your H.320 network while also creating a secure IP connection to the RealPresence Group system. This allows you to keep your RealPresence Group system connected to the IP network, avoiding the expense and hassle of bringing the H.320 connection right to the video system. Plus, it can be used by up to four RealPresence Group systems as a shared resource. The Polycom ISDN Gateway converts H.320 to H.323 in a way that is transparent to users. It supports up to four calls over a maximum of 8B (BRI) channels, and up to up to eight calls (video plus audio combined) over a maximum of 23B (T1) / 30B (E1) channels at up to 1080p30 resolution.

Your desire for security and outside connectivity doesn't need to come at the expense of high performance and quality. With PRI support for calls up to 1920 kbps, you will benefit from full 1080p HD video and content for richer detail and added realism during video calls.

The Polycom ISDN Gateway offers flexibility to connect H.320 calls in several different ways, including PRI, Quad BRI and V.35. Power over Ethernet support simplifies wiring and cabling, and a detailed web-based administrator portal is available to configure the system, update software and more.



Benefits

- Unified gateway for multiple protocols, including ISDN PRI, QBRI, and V.35
- Meet over video securely without worry about the network protocols or other connectivity details
- Can be used with a single RealPresence Group system, or as a shared resource for up to four systems
- Full 1080p video support so you can communicate securely without compromising quality



Technical specifications

Package includes

- Polycom® ISDN Gateway, Power over Ethernet injector, cables

Optional component

- V.35 cables for RS449, RS339, RS530

Endpoints supported

- RealPresence Group 300, 310, 500, 550 & 700

Bandwidth

- 4 BRI up to 512 kbps; 1 PRI up to 1920 kbps; external networks up to 1920 kbps

Video standards and protocols

- H.263, H.264 Baseline Profile, H.264 High Profile
- H.239

People video resolution encode standards

- 1920x1080, 30fps (HD1080p)
- 1280x720, 30fps (HD720p)
- 640x360, 30fps
- CIF (352x288), 30fps

People video resolution decode standards

- 1920x1080, 30fps (HD1080p)
- 1280x720, 30fps (HD720p)
- 1280x768, 30fps (WXGA)
- 1024x768, 30fps (XGA)
- 800x600, 30fps (SVGA)
- 640x480, 30fps (VGA)
- 640x360, 30fps

- 320x240, 30fps (QVGA)
- SIF (352 x 240), 30fps
- 1024x576, 30fps (w576p)
- 768x448, 30fps (w448p)
- 576x448, 30fps (448p)
- 512x288, 30fps (w288p)

Content video resolution standards

- HD (1920 x 1080p)
- HD (1280 x 720p)
- XGA (1024 x 768)
- WXGA (1280 x 768)
- SVGA (800 x 600)
- Content Frame Rate: 5–60 fps (up to 1080p resolution at 60 fps)

Network interfaces

- Four ISDN BRI (RJ-45) S/T interfaces
- One E1/T1 (RJ-45) for ISDN PRI
- Two LAN/Ethernet (RJ-45) 10/100/1000-Mb, PoE+ Support
- 1 x USB 2.0
- Serial port : RS232

Audio standards and protocols

- 32KHz Siren LPR
- 48KHz Siren SAC
- 16 kHz bandwidth with G.722.1
- 32 kHz bandwidth with G.722.1C
- 8 kHz bandwidth with G.711
- 48 kHz bandwidth with G.719

Network

- IPv4, IPv6 support
- Polycom® Lost Packet Recovery™ (LPR™) technology

System management

- Web UI with Secure Shell (SSH)
- Serial port

Security

- Media Encryption (H.323): AES-128
- Authenticated access to admin menus, web interface,
- PKI/Certificate Management: TLS 1.1, 1.2

Electrical

- Auto sensing power supply

Typical operating voltage/power

- Power over Ethernet (POE+): IEEE 802.3at, 42.5-57 VDC, 600mA
- PoE Injector: 100-240VAC ~ 50/60Hz, 0.67A

Environmental specification

- Operating temperature: 0 to 40 °C
- Operating humidity: 10 to 80%
- Non-operating temperature: -20 to 70 °C
- Non-operating humidity (non-condensing): 10 to 90%
- Maximum altitude: 2,000 meters

Physical characteristics of Polycom ISDN Gateway box

- 27.85mm (H) X 299.50mm (W) X 162.05mm (D)

Warranty

- One-year return to factory parts and labor

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About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

Polycom, Inc.
1.800.POLYCOM
www.polycom.com

Polycom Asia Pacific Pte Ltd
+65 6389 9200
www.polycom.com.sg

Polycom EMEA
+44 (0)1753 723282
www.polycom.co.uk

