

GW-25 NETWORK/PROTOCOL GATEWAY

The GW-25 Multi-Network Gateway is a Next Generation H.323, H.320 ITU-compliant gateway solution. It provides connectivity across different physical networks and multiple protocols for point-to-point rich media communications.

THE CHALLENGE

One of the main issues facing network designers has been the ability to move traffic effectively and securely from one network type to another with no loss of quality. IP networks pose their own problems of timely delivery from end-to-end, with packets often arriving out of sequence, missing or even duplicated. With data this is an addressable issue, but with real-time interactive voice and video traffic this has posed considerable quality issues.

THE SOLUTION

The Polycom MGC addresses these challenges by introducing the most scalable rich media gateway in the industry.

The gateway complements the Polycom MGC's award winning multipoint technology and is easily managed via the entire Management suite of applications.

The GW-25 supports the widest range of video and audio algorithms. By utilizing the Polycom MGC's unique technology it also permits mixed algorithms within the same call.

Algorithms supported:

Audio G.711a, G.711u,
G.722, G.728

Video H.261, H.263

Data Rate Up to 1.544Mbps

Frame Rate 7.5fps, 15fps, 30fps

Resolution CIF, QCIF

Advanced Features That Make A Difference!

Quality

By employing the Polycom MGC's unique Packet Commander technology, the GW-25 assures the call has a quality previously unobtainable.

By prioritizing, optimizing, synchronizing and rebuilding each rich media packet as it passes through the system, audio and video content is optimized while reducing delays and latency experienced using traditional MCU/gateway solutions.

Scalable Broadband Visual Communications Architecture

The GW-25 Multi-Network gateway provides enterprise class reliability in a stand alone or rack mountable chassis, making it the most scalable rich media gateway in the industry.

- Supports 12-24 simultaneous sessions
- Connection speeds up to T1
- Mission critical fault tolerant design
- All modules are:
 - Front accessible
 - Hot swappable
 - Self configuring
 - Compatible with the entire Polycom MGC platform
 - Audio transcoding standard

Reliability

The Polycom MGC's Multi-Network Gateway is the only Carrier Class gateway solution for video & voice communications making it the choice for mission critical applications.

Advanced Transcoding (Optional)

- Allows sites with different frame rates, connection speeds, resolutions and network protocols to transparently connect with one another
- Ensures that sessions connect at their optimal capabilities
- Ensures that sessions start on time by simplifying the connection process
- Ensures conference reliability
- Smart Transcoding Mode: starts in non-video transcoding mode and uses advanced transcoding mode only if necessary.

Powerful Management Systems

The GW-25 provides the most flexible suite of system and session management applications of any gateway.

The GW-25 requires no setup by the end user. All sessions are automatically routed through specialized gateway services tailored to meet the needs of the user.

Rich Media Communications is a real-time virtual communications experience... anytime, anywhere. The Polycom MGC Platform provides the tools that make virtual communications a reality, enhancing the way people communicate and interact. With the the Polycom MGC, the user is ensured of a networking solution which makes rich media applications such as business conferencing, telemedicine, distance learning, visual enabled e-commerce, visual call centers and visual chat rooms a reality.



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System Specifications

System Capacity

- Maximum number of IP sites 18 (IP to ISDN), 24 (IP to IP)
- Maximum number of ISDN sites 18 (ISDN to IP)

H.323 Support

- Audio G.711, G.722, G.728
- Video H.261, H.263
- Resolution FCIF, QCIF
- Call Setup H.245
- Data Rates 1.544Mbps

H.320 Support

- Audio G.711, G.722, G.728
- Video H.261, H.263
- Resolution FCIF, QCIF
- Call Setup H.245
- Data Rates 1.544Mbps

Network Interface Support

- Public Network Media Interface 10/100 Ethernet
- Private Network Media Interface 10/100 Ethernet
- Management/Configuration Interface 10 Ethernet
- 2 PRI Interface ISDN & Dedicated, T1
- 4 PRI Interface ISDN & Dedicated, T1
- 8 PRI Interface ISDN & Dedicated, T1

Environment

- Operating Temperature 10° to 40° C (50° to 104° F), 3400 BTU per hour
- Storage Temperature -40° to 70° C (-40° to 158° F)
- Relative Humidity 15 to 90% non-condensing
- Operating Altitude Up to 3,000 m (10,000 ft)
- Storage Altitude Up to 12,000 m (40,000 ft)
- Operating ESD +8kV
- Storage ESD +15kV

Physical Dimensions

- Height 40.8cm (16 inches)
- Width 38.1cm (15 inches)
- Depth 50.2cm (19 inches)
- Optional 19 inch rack mount kit

Power

- 120-230VAC, 50/60Hz

Management

- Common management interface across the Polycom MGC platform

Firewall Gateway

- Supports UDP Firewall configurations



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