Enterprise-Class Gateway

LifeSize® Gateway™ is a plug and play gateway that provides compatibility and interoperability between different networks and standards to deliver feature-rich, reliable and high quality video and multimedia communications.

LifeSize Gateway is ideal for video communications where end points connected to ISDN or private networks are required to communicate with end points connected to the IP networks. Alternately, LifeSize Gateway can help connect any system on any network.

(Connect to anyone, anytime, pure and simple)

And LifeSize Gateway is part of a complete infrastructure solution from LifeSize which includes LifeSize Gateway PRI or Serial, LifeSize® Gatekeeper™ for IP communications management, LifeSize® Transit™ for firewall and NAT traversal and LifeSize® Control™ for multi-vendor video management software.

High performance. Standards-based. High reliability.
Enterprise-class gateway solutions make communication simple.

The Advantages are Clear

Standards Based — Complete, guaranteed interoperability with standards-compliant gatekeepers, terminals, and MCUs for complete connectivity independent of protocol or device type

Scalable — Designed for use in distributed or centralized environments with the flexibility and scalability to ensure right-sized capacity

Supreme Reliability – Network-wide detection and automatic recovery of communications and resources

Intelligent Management — Enables optimal utilization of available resources and network services

Intuitive Navigation — Plug-and-play device and web-based user interface for centralized management

High Quality, Uncompromised Video Communications — Supports high definition quality and other resolutions as well as other video, voice and data communications using advanced DSP technologies

Product Specifications

Configurations
LifeSize Gateway PRI
LifeSize Gateway Serial

PRI Gateway System Capacity E1
60 Voice Calls
30 Video Calls @ 128Kbps
10 Video Calls @ 384Kbps
4 Video Calls @ 768Kbps
2 Video Calls @ Full E1

PRI Gateway System Capacity T1
46 Voice Calls
23 Video Calls @ 128Kbps
7 Video Calls @ 384Kbps
3 Video Calls @ 768Kbps
2 Video Calls @ Full T1

Serial Gateway System Capacity
4 Video Calls up to 2Mbps

Serial Gateway Interfaces
V.35/RS366-DTE
EIAS449/RSS366-DTE
EIA-530/RS366-DTE
EIA-530/RS366-LOS-DTE
KIV7/RS366-DTE

Network Protocols
H.323 over IP
H.320 over ISDN
H.320 over V.35/RS449/EIA-530/EIA-530A/DCE & DTE
H.240 conference control

Video Protocols
H.261
H.263
H.263+
H.263++
H.264

Video Resolution
HD
16CIF
4CIF
CIF
QCIF

Audio protocols
G.711
G.722
G.722.1
G.723.1
G.728

Audio Transcoding
G.728<>G.711
G.711<>G.723

Data Protocols
T.120
T.281 FECC
H.239 Dual Video
Tandberg DuoVideo

Line Echo Cancellation

Call bonding (PRI)
ISDN call bonding of up to 2MB (E1)
1.5MB (T1) on PRI connections
Downspeeding support

Management
SNMP – multiple
HTTP – embedded web server

Call Routing
Built-in Interactive Voice Response (IVR)
Direct Inward Dialing (DID)
TCS4
Default extension for operator assistance
Flexible/configurable IP dial plan
RS366 signaling (Serial)

Encryption
H.235 AES/DES [1]
> [1] Port capacities when using encryption are reduced by half on the PRI gateway

Network and Reliability Support
Dynamic routing of IP calls to neighboring gateways based on resource availability
Downspeeding support
Network optimization for high call completion
H.320 line related auto registration
Network Specific Facility (NSF)
QoS support with DiffServe. IP TOS, and precedence
Advanced IP packet handling ensuring high quality communications
Fast connect for voice calls
Redirect (PRI) in ISDN-to-IP calls, the gateway will forward to the destination IP terminal caller ID and redirecting endpoint details

Power
AC Voltage 100 – 240V, 50-60 Hz

System Design
Physical Dimensions
19-inch, rack-mountable closed unit of 1U height

Environmental Data
Operating temperature: 0℃ (32°F) to 40℃ (104°F)
Operating humidity: 5% to 90%, non-condensing
Storage temperature: -25℃ (-13°F) to 70℃ (158°F)