



TANDBERG Gateway

A gateway that offers unparalleled simplicity. Provides seamless integration between IP and ISDN networks with complete feature transparency and protection from network interruptions.



DESIGN FEATURES

- Fully integrated, easily configurable unit
- Compact size: 1U tall and 19" rack mountable
- 24 LEDs show operational status
- Call transfer and welcome screen with customizable pictures and greeting

APPLICATION FEATURES

- Provides seamless integration between packet-based network services (i.e. IP) and ISDN
- Supports H.264 with IP and ISDN
- Supports network and video equipment from multiple vendors
- Supports complete set of TANDBERG videoconferencing systems features, including DuoVideo, Natural Video, IPLR
- Complete Multipoint Transparency including chair control

PERFORMANCE FEATURES

- Easy to use, Plug-and-Play technology
- Bandwidth per call: 56 kbps – 2 Mbps
- Support for highest level of standards-based embedded encryption
- Facilitates automatic load balancing in multiple gateway environments
- Downsampling and IPLR provide protection from network interruptions and maintain the call in progress
- Simultaneous call capacity: 8 video calls and 8 audio calls

SYSTEM CAPACITY

Number of videoconferencing gateway calls: 8
Number of audio only gateway calls: 8
2 calls at 2 Mbps, 5 calls at 768 kbps, 8 calls at 384 kbps
(all calls can be H.264)

ENDPOINTS SUPPORTED

ISDN (H.320) videoconferencing endpoints
IP (H.323) videoconferencing endpoints
Telephones

BANDWIDTH

H.320 / H.323 call support from 56 kbps to 2 Mbps

VIDEO STANDARDS

H.261, H.263, H.263+, H.263++, H.264

AUDIO STANDARDS

G.711, G.722, G.722.1, G.728

LIVE VIDEO RESOLUTIONS

NATIVE PAL:

QCIF (176 x 144 pixels)
CIF (352 x 288 pixels)
4CIF (704 x 576 pixels)

NATIVE NTSC:

SIF (352 x 240 pixels)
4SIF (704 x 480 pixels)

NATIVE PC RESOLUTIONS:

VGA (640 x 480 pixels)
SVGA (800 x 600 pixels)
XGA (1024 x 768 pixels)

TRANSCODING

Audio transcoding for speed matching and rate adaption
Audio transcoding for symmetric bandwidth restrictions
in H.320 MCUs

NETWORK INTERFACES

4 x E1/T1 G703 (RJ-45) for ISDN PRI
(in total 4Mb can be used)
1 x LAN / Ethernet (RJ-45) 10/100 Mbit

ETHERNET / INTERNET / INTRANET CONNECTIVITY

TCP/IP, DHCP, SSL, ARP, FTP, Telnet, HTTP, HTTPS
XML, for remote management
SNMP Enterprise Management
Embedded web server
10/100 Mbps full / half duplex (manual or auto
detect selection)

OTHER SUPPORTED STANDARDS

H.221, H.231, H.241, H.242, H.243, H.245, H.320,
H.323, BONDING (ISO 13871)

GATEWAY FEATURES

ISDN CALL ROUTING

Direct Inward Dialing (DID)
Interactive Voice Response (IVR)
TCS-4

Hotline mode

Any combination of DID, IVR, TCS-4 and Hotline allowed
Automatic downspeeding to available ISDN or IP rate

H.323 CALL ROUTING TO ISDN

Single prefix
Automatic ISDN Restrict
Automatic ISDN Prefixes
Automatic downspeed to available ISDN or IP rate
Load balance control

CALL TRANSFER

Any IP call can be transferred

PRESENTATIONS

Supports DuoVideo on H.320 and H.323
Supports translation between DuoVideo (H.323) and
People+Content™ (H.320)

EMBEDDED ENCRYPTION

H.234, DES 56 bit key, AES 128 bit key
NIST-validated AES
NIST-validated DES
Automatic key generation and exchange

AUDIO FEATURES

Custom company greetings sound (WAV)
Custom exception/error handling sound (WAV)
Mobile telephone noise suppression

VIDEO FEATURES

Custom company greetings picture (JPEG)
Custom exception/error handling picture (JPEG)

SECURITY FEATURES

IP administration passwords
Secure Management via HTTPS and XML/SOAP
IP password
Services may be disabled: FTP, Telnet, SNMP,
HTTP, HTTPS

H.323 NETWORK FEATURES

DiffServ
IP Precedence
TOS
RSVP
IPLR

SYSTEM MANAGEMENT

Total management via embedded web server using HTTPS,
SNMP, Telnet, FTP and XML/SOAP
1 x RS-232 for local software upgrades, local control
and diagnostics
Supported in TANDBERG Management Suite

ENVIRONMENTAL DATA

OPERATING TEMPERATURE:

0°C to 35°C (32°F to 95°F) ambient temperature

RELATIVE HUMIDITY (RH):

10% to 90%

STORAGE AND TRANSPORT TEMPERATURE:

-20°C to 60°C (-4°F to 140°F) at RH 10 - 90%
(non-condensing)

PHYSICAL DIMENSIONS

Height 1.7" / 4.4 cm
Width 17.4" / 44.2 cm
Depth 12.5" / 31.8 cm
Net weight 11.3 lbs / 5.15 kg
Power 100-240 VAC, 50 / 60 Hz
90W max. power consumption
19" rack mountable

*System features vary depending on network selection
and software package. All specifications subject to
change without notice.*

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TANDBERG

Gateway

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