



See seamlessly.

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 network and videoconferencing 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



Gateway front



Gateway back

The TANDBERG Gateway combines unique call transfer capabilities, complete feature transparency, and full down-speeding in order to provide an IP videoconferencing solution of unparalleled simplicity to users. Plug-and-play technology, load balance control, and support of the complete TANDBERG feature set (including embedded encryption and IPLR) make the TANDBERG Gateway an ideal choice for enterprise customers.

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
 (+ telephone calls)

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
 H320 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^{TF}

Any IP call can be transferred

Presentations

Supports DuoVideo^{TF} on H.320 and H.323
 Supports translation between DuoVideo^{TF} (H.323) and
 People+ContentTM (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^{TF}

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

* Available Q4 2003

TF indicates a TANDBERG First

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

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