



TANDBERG AM GW 3600 Series

The TANDBERG AM GW 3600 Series is a High Definition (HD) media gateway that enables businesses to maximize the value of their existing video and collaboration infrastructure. Combined with the TANDBERG Video Communications Server (VCS), the TANDBERG AM GW 3600 Series is the first and only network-centric solution that enables true HD communication between Microsoft® Office Communications Server 2007 R2 users and standards-based telepresence and video conferencing devices. Individuals and teams can now use familiar business tools to collaborate in high definition across the enterprise.



DESIGN FEATURES

- Compatible with Microsoft® Office Communicator (MOC)
- Compatible with all standards-compliant video conferencing and telepresence devices
- Easy-to-use, versatile management interface
- Comprehensive wideband audio support
- ClearVision™ enhances resolutions by up to 4x, enabling less powerful PCs and VC endpoints to participate in calls at higher definitions
- Compact size: 2U tall and 19" rack mountable

APPLICATION FEATURES

- TANDBERG Codian Universal Port™ technology ensures each participant receives the best possible experience
- Full transcoding for every call
- Large enterprises can increase their available capacity by stacking multiple AM GW 3610 units
- Connects to all standards-based VC devices, including endpoints, MCUs, recording and streaming servers and telepresence servers

PERFORMANCE FEATURES

- Up to 10 simultaneous HD calls
- Up to 20 simultaneous VGA calls
- Constant high capacity in selected HD or VGA mode
- Transcoding and transrating on all calls
- Video resolution up to HD 720p at 30fps
- Content sharing to MOC at up to 720p
- Bandwidth per call up to 4Mbps

MODEL	TOTAL CALLS IN HD MODE	TOTAL CALLS IN VGA MODE
AM GW 3610	10	20

High bandwidth or any combination of supported video/audio codecs does not reduce the number of video calls supported.

Note: The following capabilities are only available when the AM GW 3600 Series is deployed in conjunction with a TANDBERG VCS* or TANDBERG VCS* cluster (*release 5.1.1 or later)

VIDEO DEVICES SUPPORTED

Microsoft® Office Communicator 2007 R2
H.323 video devices
SIP video devices
Supported devices include endpoints, MCUs, GWs, recording and streaming

VIDEO STANDARDS

RT Video, H.261, H.263, H.263+, H.264

VIDEO RESOLUTION FOR VIDEO CONFERENCING DEVICES

From QCIF up to 720p (1280 x 720)
4:3 and 16:9 aspect ratios

VIDEO RESOLUTION FOR MICROSOFT OFFICE COMMUNICATOR

CI, VGA, 720p

FRAME RATES

Up to 30 frames per second

AUDIO STANDARDS

G.711, G.722, G.723.1, G.728, G.729, MPEG-4 AAC-LC, MPEG-4 AAC-LD, Polycom® Siren7™/G722.1 Polycom® Siren14™, G.722.1 Annex C

PROTOCOLS

SIP, FTP, RTP, HTTP, DHCP, SNMP, NTP

BANDWIDTH

Maximum bandwidth 4Mbps per call

UNIVERSAL TRANSCODING AND TRANSTRATING

Automatic audio/video transcoding and transrating possible on all calls up to 720p
Each caller has their own personal encode; Any bandwidth, any resolution (up to maximum selected), any video or audio codec can be independently used by each caller

SCALABILITY

Up to 6 Advanced Media Gateways can be deployed per VCS or VCS cluster, enabling a total of 60 simultaneous HD720p calls

FIREWALL TRAVERSAL

H.460 18 and 19 compliant
Microsoft® A/V Edge not currently supported

DTMF TRANSLATION

Out-of-band to in-band DTMF

WEB USER INTERFACE

Complete configuration, control and monitoring of the system and calls

SYSTEM MANAGEMENT

Management via embedded Web server
RS-232 for local control and diagnostics
Syslog for diagnostics
Configurable event logs and full H.323 and SIP decoding
Configuration backup to network
Secure upgrades through Ethernet

QUALITY OF SERVICE

Configurable DSCP or TOS/IP precedence

TANDBERG CODIAN CLEARVISION

Supported in HD mode to upscale video resolution by up to 4 times

SECURITY FEATURES

Secure non-PC hardware and operating system
Full transcoding for every call, avoiding IP packet forwarding

INTERFACES

RJ45 Ethernet, 10/100/1000 Mbps full/half duplex, manual or auto sensing
RJ45 serial port

ENVIRONMENTAL DATA

Operating temperature 0°C to 35°C ambient
Relative humidity below 95% (non-condensing)

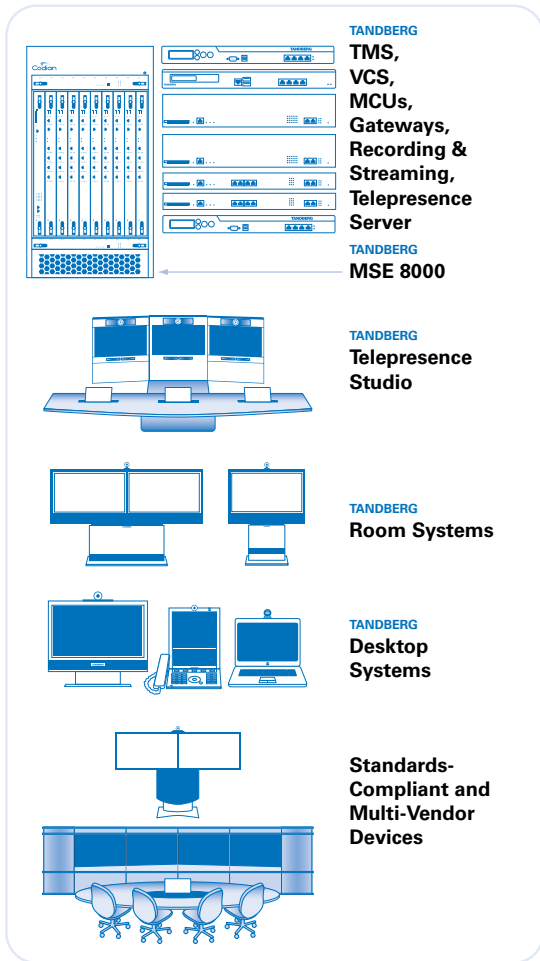
PHYSICAL DIMENSIONS

Height 3.43", 87 mm (2U)
Width 17.25", 436 mm
Depth 19.1", 511 mm
Weight 22 lbs, 15 kg
19" rack mountable (kit supplied) or standalone
Power 100-240 VAC, 50/60Hz
650W maximum power consumption

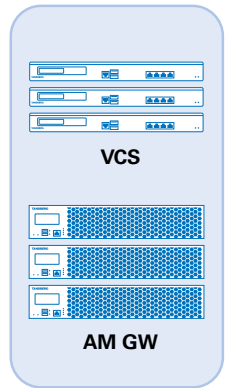
APPROVALS AND COMPLIANCE

Product model number TR1A
European safety: EN 60950-1:2001
USA safety: UL 60950-1 First Edition
Canada safety: CSA 60950-1-03
CB Scheme certificate, CE Marked
EMC: EN55022 class A, EN61000-3-2, EN61000-3-3, EN55024: EN61000-4-2, -3, -4, -5, -6, -11, FCC Part 15 class A, VCCI class A, AS/NZS 3548 (C-Tick)
RoHS compliant

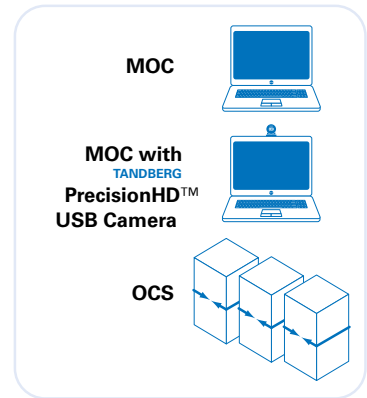
Standards-Based HD Videoconferencing and Telepresence



TANDBERG UC Solution



Microsoft® HD Environment



TANDBERG AM GW 3600 Series