



## TANDBERG Codian ISDN GW 3201 Series

A high-capacity and scalable gateway that grows with your business demands. Provides seamless integration between IP and ISDN networks with complete feature transparency, including high definition (HD), enabling organizations using ISDN to enjoy the benefits of HD videoconferencing.



#### DESIGN FEATURES

- Fully integrated, easily configurable unit
- Compact size: 1U tall and 19" rack mountable
- Simple user interface
- Easy-to-use, plug and play technology

#### APPLICATION FEATURES

- Provides seamless integration between IP and ISDN devices, including the TANDBERG Video Communication Server for call control and firewall traversal
- Supports H.264 with IP and ISDN
- Standards-based: Supports network and video equipment from multiple vendors
- Supports H.239 for presentation sharing capabilities

#### PERFORMANCE FEATURES

- Bandwidth per call: 64 kbps — 2 Mbps
- Video resolutions up to 720p HD
- Up to four ISDN PRIs in a single unit
- Comprehensive remote Web management, diagnostics, reporting and upgrades

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MODEL	T1/E1 ISDN PRI INTERFACES	MAXIMUM VIDEO CALLS 384 KBPS T1/E1	MAXIMUM VIDEO CALLS 768 KBPS T1/E1	MAXIMUM VOICE CALLS 64 KBPS T1/E1
ISDN GW 3241	Up to 4 PRIs, 1 enabled	15/20	7/10	92/120
ISDN GW 3241-PL		1 additional PRI port license		
GKO-100/GKO-300		Gatekeeper Option — increase number of registrations from 25 to 100 or 300 with built-in H.323 gatekeeper		

#### ENDPOINTS SUPPORTED

H.323 IP voice and video endpoints  
H.320 ISDN voice and video endpoints  
PSTN audio only calls (telephones) through ISDN

#### VIDEO STANDARDS

H.261, H.263, H.264

#### VIDEO RESOLUTION

QCIF, QSIF, CIF, SIF, iCIF, iSIF, 288p, 384p, 400p, 448p, VGA, 4CIF, 4SIF, 480p, SVGA, 576p, XGA, 720p

#### FRAME RATES

Up to 30 frames per second and 60 fields per second

#### AUDIO STANDARDS

G.711, G.722, G.728, Polycom® Siren14™/G.722.1 Annex C

#### PROTOCOLS

H.323 v4, H.320, H.235 (AES), H.239 (dual video), FTP, RTP, HTTP, DHCP, SNMP, NTP

#### ISDN BONDING

BONDING (ISO 13871)  
H.221 aggregation  
Automatic downspeeding on loss of ISDN B channels

#### BANDWIDTH

H.320/H.323 calls supported up to 2 Mbps  
Total bandwidth and number of sites supported is limited only by ISDN capacity

#### PRESENTATION/DATA COLLABORATION

Data from H.239 (dual video) capable endpoints

#### CALL ROUTING FROM ISDN (H.320/PSTN)

IVR/auto attendant  
Direct Inward Dialing (DID)  
Default (Operator) extension  
Call routing to MCU/multipoint conference bridge  
Digit manipulation/Flexible dial plan

#### CALL ROUTING FROM IP (H.323)

IVR/auto attendant  
Dial by E.164 address  
Digit manipulation  
Flexible dial plan  
Dial from MCU with and without a gatekeeper

#### EMBEDDED WEB SERVER

Complete configuration, control and monitoring of the system

#### SYSTEM MANAGEMENT

Management via embedded web server  
XML API  
RS-232 for local control and diagnostics  
Syslog for diagnostics  
Configurable event logs and full H.323 decoding  
Configuration backup to network  
Secure upgrades through Ethernet or CompactFlash  
Call Detail Records downloadable as XML  
SNMP

#### QUALITY OF SERVICE

Configurable DSCP or TOS/IP precedence  
H.323 flow control  
Dynamic jitter buffers

#### SECURITY FEATURES

Administrator, User and Guest passwords  
Secure non-PC hardware and operating system

#### INTERFACES

RJ45 ISDN PRI ports  
RJ45 Ethernet, 10/100/1000 Mbps full/half duplex, manual or auto sensing  
RJ45 serial port  
CompactFlash socket  
Up to 27 status LEDs

#### ENVIRONMENTAL DATA

Operating temperature 0°C to 35°C ambient  
Relative humidity below 90%

#### PHYSICAL DIMENSIONS

Height 1.73", 44 mm (1U)  
Width 17.2", 437 mm  
Depth 12.3", 312 mm  
Weight 9 lbs, 4kg  
19" rack mountable (kit supplied) or standalone  
Power 100-240 VAC, 50/60Hz  
110W max power consumption

#### APPROVALS AND COMPLIANCE

European safety: EN 60950-1:2001  
USA safety: UL 60950-1 First Edition  
Canada safety: CSA 60950-1-03  
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)

#### Telecoms:

USA TIA-968-A: October 2002, 47 CFR Part 68: October 2004  
Canada: IC CS-03, Issue 9, Part VI,  
Europe: ETS 300 046-3,  
Japan: Ordinance of MPT No 31, 1984,  
RoHS compliant

*All specifications subject to change without notice, system specifics may vary.*

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## TANDBERG

# Codian ISDN GW 3201 Series

TANDBERG WORLD HEADQUARTERS  
Philip Pedersens vei 20  
1366 Lysaker, Norway  
Tel: +47 67 125 125  
Fax: +47 67 125 234  
Video: +47 67 126 126  
tandberg@tandberg.com

1212 Avenue of the Americas,  
24<sup>th</sup> Floor  
New York, NY USA 10036  
Tel: +1 212 692 6500  
Fax: +1 212 692 6501  
Video: +1 212 692 6535  
tandberg@tandberg.com

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