



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

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