

Codian ISDN GW 3200 Series

IP to ISDN Voice and Video Gateway



Providing Seamless Connectivity to the ISDN World

Extend the reach of your video conference with the Codian ISDN GW 3200 series. This flexible gateway offers an easy-to-use, high-capacity solution for connecting ISDN video conferencing equipment to the rapidly growing number of IP-based systems.

The ISDN GW 3200 is also a powerful voice gateway supporting calls from ordinary telephones connected to the PSTN - this means you can use the additional voice ports on the Codian MCU to turn it into a powerful audio as well as video bridge.

It's another way in which Codian's video conferencing infrastructure solutions help you conduct business better, every day.

The Codian Difference

MCU Integration

Provides seamless connectivity from ISDN to the Codian MCU 4200 and MCU 4500 series voice and video conference bridges.

Latest Video Technology

Enables high-end conferencing features over ISDN, such as H.264 for high quality video, resolutions up to 720p HD, data sharing using H.239 dual video, wideband audio and, when combined with a Codian MCU, supports the MCU's video auto attendant.

Ease of Use

Connects all your voice and video IP endpoints and infrastructure to ISDN. Easy integration without the need for a gatekeeper. Dial by phone number or by IP address. Simple to install and maintain.

Voice and Video Conferencing

Supports calls to and from ordinary telephones connected to the PSTN. This allows single phone number voice and video dialing into your organization, and allows you to take advantage of the additional voice ports on the Codian MCU to provide high quality audio conferencing.

Scalable, High-Capacity

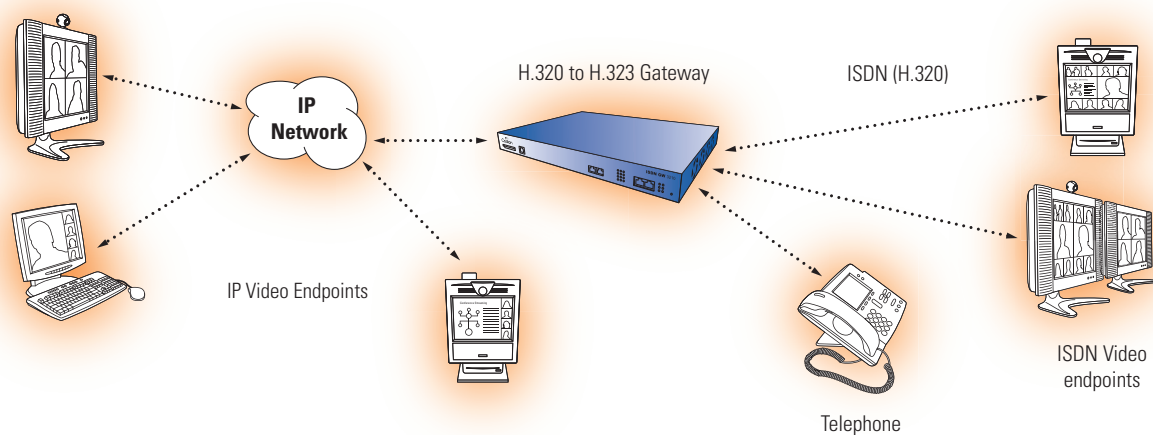
Up to four ISDN T1 / E1 PRIs in a single unit, with the number of sites limited only by the number of ISDN channels. This gives you the capacity to provide ISDN connectivity to all your IP voice and video endpoints.

Robust and Reliable

Designed from the ground up as network infrastructure, it is rack mountable with custom non-PC hardware and a secure operating system. Includes comprehensive remote web management, diagnostics, reporting and upgrades.

Standards-Based and Compatible

Optimized for use in IP networks to give you the best possible video quality under real-world network conditions - the ISDN Gateway offers compatibility with all the major IP and ISDN endpoint vendors.



ISDN 3200 Series Specifications

Model	T1 / E1 ISDN PRI Interfaces	Video Calls 384 kbps T1 / E1	Video Calls 768 kbps T1 / E1	Voice Calls T1 / E1
ISDN GW 3210	1	3 / 5	1 / 2	23 / 30
ISDN GW 3220	2	7 / 10	3 / 5	46 / 60
ISDN GW 3240	4	15 / 20	7 / 10	92 / 120

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.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
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

1 to 4 ISDN PRI ports, 2 ports per RJ 45
1 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



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