Codian ISDN GW 3200 Series

IP to ISDN Voice and Video Gateway

Providing Seamless Connectivity to the ISDN World

Extend the reach and functionality of your video conference with the Codian ISDN Gateway 3200 series. This gateway offers an easy-to-use, high-capacity solution for connecting ISDN video conferencing equipment to the rapidly growing number of IP-based systems. As well as connecting to video endpoints, the ISDN GW 3200 also supports calls from ordinary telephones connected to PSTN — this means you can use additional audio ports on the Codian MCU, turning it into a powerful audio bridge as well as a video MCU. It's another way in which Codian's video conferencing infrastructure solutions help you conduct business better, everyday

The Codian Difference

MCU Integration

Provides seamless connectivity from ISDN to the Codian MCU 4200 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 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 PSTN. This allows single phone number voice and video dialing into your organization, and means you can take advantage of the additional voice ports on the Codian MCU to provide high quality audio conferencing.

Scalable, High-Capacity

Up to eight 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.
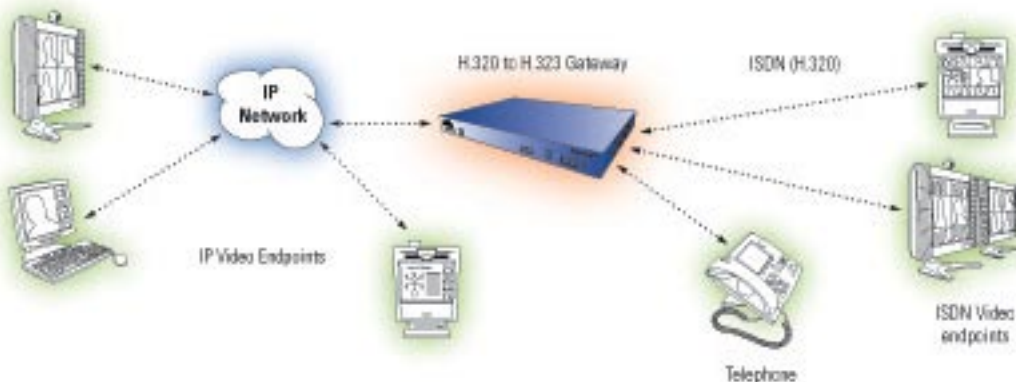
Robust and Reliable

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 GW 3200

ISDN 3200 Series Specifications

System Capacities

Model	T1 / E1 ISDN PRI Interfaces	Video Calls at 384 kbit/s T1 / E1	Video Calls at 768 kbit/s T1 / E1	Audio 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
ISDN GW 3280	8	30 / 40	15 / 20	184 / 240

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, 4CIF, 4SIF, VGA, SVGA, XGA, 720p

Frame Rates
Up to 30 frames per second and 60 fields per second

Audio Standards
G.711, G.722, G.728

Protocols
H.323 v4, H.320, H.239 (dual video), ftp, RTP, HTTP, DHCP, SIP

ISDN Bonding
BONDING (ISO 13871)
H.221 single and multi channel bonding
Automatic downspeeding on loss of ISDN B channels

Bandwidth
H.320 / H.323 calls supported up to 768kbit/s
Total bandwidth and number of sites supported is limited only by ISDN capacity

Call Routing from ISDN (H.320 / PSTN)
Direct Inward Dialing (DID)
Default (Operator) extension
Call routing to MCU / multipoint conferencing bridge
Digit manipulation / flexible dial plan

Call Routing from IP (H.323)
Dial by E.164 address
Digit manipulation / flexible dial plan
Dial from MCU both with and without Gatekeeper

Presentation / Data Collaboration
Data from H.239 (dual video) capable endpoints

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 Compact Flash
Call Detail Records downloadable as XML
SNMP

Quality of Service
DSCP, IP Precedence, TOS
H.323 flow control
Advanced IP jitter buffers

Security Features
Administrator, User and Guest passwords
Password protected streaming and content playback
Secure non PC hardware and operating system

Interfaces
1 to 8 ISDN PRI ports, 2 ports per RJ 45
1 RJ45 Ethernet, 10/100/1000 Mbit/s full/half duplex, manual or auto sensing
RJ45 serial port
Compact Flash socket
Up to 39 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 stand-alone
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
EMC: EN55022 class A, EN61000-3-2, EN61000-3-3, EN55024: EN61000-4-2,-3,-4,-5,-6,-11, FCC Part 15 class A, CE Marked
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 No31, 1984

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