

Codian IP GW 3500 Series

Voice and Video Internet Portal



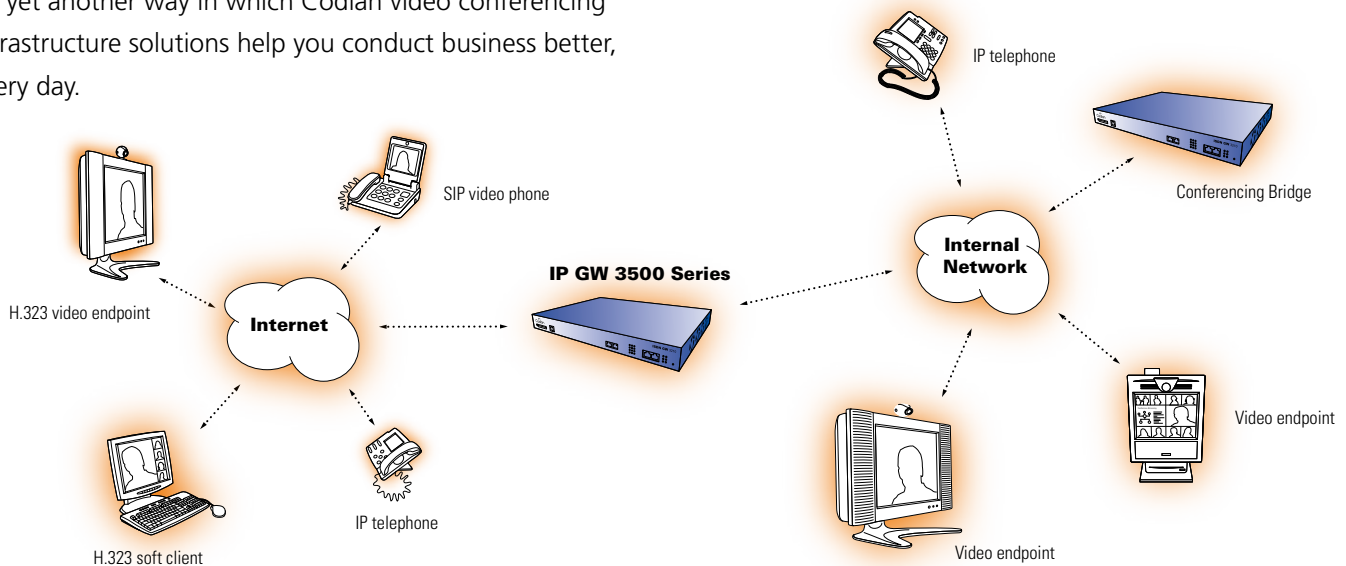
Providing universal access to the rest of the IP world

The Codian IP GW 3500 Series lets customers and suppliers call you over the Internet without requiring time consuming configuration of gatekeepers and firewalls in advance of the call.

Simply add an IP address to your business cards to give partners the clarity and cost benefits of calling you with standard video conferencing endpoints or IP phones wherever they are in the world.

Add a voice and video switchboard operator to help screen your calls and route visitors to the right person or conference call.

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



The Codian Difference

Universal Connectivity

Translation between SIP and H.323 and transcoding between a wide range of video and audio standards ensures connectivity between almost any IP endpoints. Dual Ethernet ports allow two completely independent IP networks to be connected.

IP Clarity

IP networks including the Internet offer higher bandwidths at lower costs than traditional telephone networks. This extra bandwidth allows you to use higher quality voice and video for clearer communication.

Ease of Use

Connects all your voice and video IP endpoints and infrastructure to the Internet. Easy integration without the need for a gatekeeper. Dial by phone number, IP address or through the interactive menu. Operator assistance built in to aid call routing. Simple to install and maintain.

Robust and Reliable

Designed from the ground up as network infrastructure, the Codian IP GW 3500 Series is rack mountable with custom non-PC hardware and a secure operating system. Includes comprehensive remote web management, reporting and upgrades.

Standards-based and Compatible

Offers full interoperability with SIP and H.323 endpoints combined with Codian's proven compatibility with all major vendors.

Packet Safe™ Technology

Works in conjunction with Codian's unique transcoding architecture to ensure that packet loss anywhere in the network will have minimal impact on the quality of your call and most importantly, that you stay connected.

IP GW 3500 Series Specifications

Model	Total Calls	Video Calls
IP GW 3510	10	5
IP GW 3520	20	10
IP GW 3540	40	20

GKO-100 / GKO-300	Gatekeeper Option - increase maximum registrations with built-in H.323 gatekeeper from 25 to 100 or 300.
--------------------------	--



For example the IP GW 3520 can support up to 20 calls in total, of which 10 can be video calls. Using high bandwidth or resolution or H.264 does not reduce the number of video calls supported.

Endpoints Supported

H.323 voice and video endpoints
SIP voice and video endpoints

Video Standards

H.261, H.263, H.263+, H.263+++, H.264

Video Resolution

QCIF, QSIF, CIF, SIF, iCIF, iSIF, 288p, 384p, 400p, 448p, VGA, 4CIF, 4SIF, 480p

Frame Rates

Up to 30 frames or 60 fields per second

Audio Standards

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

Protocols

H.323 v4, SIP, FTP, RTP, HTTP, DHCP, SNMP, NTP

Bandwidth

H.263 up to 4 Mbps, H.264 up to 2 Mbps

Universal Transcoding and Transrating

Automatic audio / video transcoding and transrating on all calls • Any bandwidth, any resolution, any video or audio codec can be independently used by each caller • Each caller has their own personal encode • Extremely low latency: less than 80 ms

Web User Interface

Complete configuration, control and monitoring of the system and calls

Built-in Gatekeeper

Up to 25 devices can register
Options to extend this to 100 or 300 devices
Register service prefixes, H.323 IDs and E.164 aliases
Round robin calls over common service prefixes for load balancing

Call Routing

IVR / auto attendant
Select endpoints with FECC
Operator assistance
Dial by E.164 address

Translate DTMF to IP address

Digit manipulation
Flexible dial plan

Call Features

H.323 or SIP dial in
Standalone call routing
Preconfigured H.323 and SIP endpoints
Options for H.323 gatekeeper & SIP registrar
Widescreen (16:9) support
Far end camera control tunneling using remote control

Audio Features

Built-in auto attendant voice prompts

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 or CompactFlash
SNMP

Quality of Service

Configurable DSCP or TOS/IP precedence

Network Resilience

Packet Safe™ technology provides intelligent downspeeding, packet pacing and packet loss concealment to ensure optimum video and audio quality • Dynamic jitter buffering

Security Features

Three levels of access rights and privileges for users
Separate dial plans for each network port
Secure non-PC hardware and operating system
Application level gateway with no IP packet forwarding

Interfaces

2 x RJ45 Ethernet, 10/100/1000 Mbps full/half duplex, manual or auto sensing
RJ45 serial port
CompactFlash socket
39 status LEDs

Environmental Data

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

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
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)
CCC Approved: GB4943-2001, GB9254-1998, YD/T993-1998
NAL Certificate (China)
RoHS compliant

Codian Inc

1570 The Alameda #216
San Jose CA 95126 USA
Toll-free: 1-888-CODIAN-0
(1-888-263-4260)
Tel: (408) 938 2300
Fax: (408) 287 6630

Codian Ltd

14 Waterside Drive
Langley
Slough SL3 6EZ
United Kingdom
Tel: +44 (0)1753 548333
Fax: +44 (0)1753 548303

Codian (Asia Pacific) Ltd

Suite 1606, Saxon Tower
7 Cheung Shun Street
Cheung Sha Wan
Kowloon, Hong Kong
Tel: +852 3583 1430
Fax: +852 3583 1055


www.codian.com