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Cisco TelePresence ISDN GW 3241



The Cisco TelePresence[™] portfolio creates an immersive, face-to-face experience over the network—empowering you to collaborate with others like never before. Through a powerful combination of technologies and design that allows you and remote participants to feel as if you are all in the same room, the Cisco TelePresence portfolio has the potential to provide great productivity benefits and transform your business. Many organizations are already using it to control costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

Product Overview

The Cisco TelePresence ISDN GW 3241 is a high-capacity and scalable gateway that grows with your business demands. It 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.



Cisco TelePresence ISDN GW 3241 Features

Table 1 summarizes the key features for the Cisco TelePresence ISDN GW 3241, and Table 2 gives interface and call information about the Cisco TelePresence ISDN GW 3241 and Cisco TelePresence ISDN GW 3241-PL models.

Table 1.	Cisco TelePresence ISDN GW 3241 Feature Summary
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Feature Summary		
Design features	 Standards-based and compatible with all major vendors' endpoints Pay as you grow — buy the capacity you need now and a simple license upgrade in the future Easily configurable unit Comprehensive remote Web management Compact size: 1U tall and 19" rack mountable 	
Application features	 Provides seamless integration between IP and ISDN devices Fully integrated, with built-in gatekeeper Powerful dial plans ensure that your calls get routed efficiently H.239 and BFCP for presentation sharing capabilities Support for automatic load balancing in multiple gateway environments 	
Performance features	 Video resolutions up to High Definition 720p at 30fps Supports up to 4 PRI ISDN ports in a single unit Up to 120 voice calls at 64 Kbps Up to 60 video calls at 128Kbps Bandwidth per call from 56Kbps to 2Mbps AES encryption 	

Table 2. Interface and Call Information

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
Cisco TelePresence ISDN GW 3241	Up to 4 PRIs, 1 enabled	15/20	7/10	92/120
Cisco TelePresence ISDN GW 3241-PL	1 additional PRI port license			

Product Capabilities

Table 3 provides a listing of the product capability specifications for the Cisco TelePresence ISDN GW 3241.

 Table 3.
 Product Specifications

Specification	Description
Endpoints Supported	 H.323 IP voice and video endpoints SIP 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.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.722.1, G.728, Polycom[®] Siren14[™]/G.722.1 Annex C
Other Standards	 H.323, H.320, H.233, H.234, H.235 (AES), H.239 (dual video), H.221, FTP, RTP, HTTP, HTTPS, DHCP, SNMP, NTP
ISDN Signaling	Q.931, NFAS, 4ESS, DMS100 support
ISDN Bonding	 BONDING (ISO 13871) H.221 aggregation Automatic downspeeding on loss of ISDN B channels
Bandwidth	H.320/H.323/SIP calls supported up to 2 MbpsTotal bandwidth and number of sites supported is limited only by ISDN capacity
Presentation/Data Collaboration	Data from H.239 (dual video) of BFCP 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 Dialed number digit manipulation Calling party number digit manipulation Flexible dial plan TCS-4 support
Call Routing from IP (H.323/SIP)	 IVR/auto attendant Dial by E.164 address Dialed number digit manipulation Calling party number digit manipulation Flexible dial plan Dial from MCU with and without a gatekeeper
Embedded Web Server	Complete configuration, control and monitoring of the system
Built-in Gatekeeper	 Resolution of E.164 numbers Registration of endpoints and gateways Up to 25 devices can register

Specification	Description
System Management	 Management via embedded Web server Status through Cisco TelePresence Management Suite 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	 Two levels of access rights and privileges for users Strong password policy Secure management via HTTPS Dial plan system controls which destinations are reachable Services may be disabled: HTTP, HTTPS, FTP, H.323, SNMP, H.323 GK H.235 authentication for Gatekeeper registration Secure non-PC hardware and operating system AES encryption, 128 bit key, H.233, H.234, H.235 TLS certificate verification Certificate-based login with OCSP certificate checking SRTP encryption Second Ethernet port Audit log
Embedded Encryption	 Standards based on ISDN, IP and mixed ISDN/IP: H.233, H.234, H.235, AES 128 bit key Automatic key generation and exchange Transparent encryption
Interfaces	 RJ45 ISDN PRI ports 2 x 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 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

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

Ordering Information

To place an order, visit the <u>Cisco[®] Ordering Home Page</u> and refer to Table 4 or contact your local Cisco representative. To download software, visit the <u>Cisco Software Center</u>.

Table 4. Ordering Information

Description	Part Number
ISDN GW 3241 - PRI ISDN H.320 To H.323 Gateway	CTI-3241-GWISDNK9
1 Additional PRI Port License for the ISDN GW 3241	L-3241-1PRI

Service and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, anytime. For more information about these services, visit: http://www.cisco.com/go/telepresenceservices.

For More Information

For more information about the Cisco TelePresence ISDN GW 3241, please visit <u>http://www.cisco.com/go/telepresence</u> or contact your local Cisco account representative or authorized Cisco partner. Product specifications are estimates and subject to change without notice.



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