L2W-323 Multimedia BRI Gateway

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H.323/H.320 Internetworking Gateway
for Voice, Video and Data Convergence

The RADVISION L2W-323 Gateway enables small and medium size enterprises to deploy real time voice and video communication over IP networks. This highly reliable gateway, based on RISC architecture provides seamless communication between IP and ISDN/PSTN using existing BRI lines.

- Modular and stackable design
- Scalable
- Robust and reliable
- Remote diagnostics

Enabling Real Time V²oIP

The L2W-323 is a fully self-contained 'standalone' gateway that enables real time voice and video communication over IP networks. It translates between H.323 and H.320 protocols, converting multimedia information from circuit switch to H.323 IP packets. The gateway supports voice-only calls as well as H.320 video-conferencing sessions. Depending on the network provisioning on the wide area, the L2W-323 enables users to exchange audio, video and data in real time at 64kbps, 128kbps, 256kbps, 384kbps and 768kbps, providing flexibility of video quality versus available band width.

Built-In Gatekeeper Provides Virtual PBX Call Control & H.323 Management

The L2W-323 Gateway, working in conjunction with an embedded RADVISION H.323 Gatekeeper, provides the functionality of a multi-media Private Branch Exchange (PBX). This provides a cost effective IP-centric alternative to traditional PBX solutions. The PBX functionality allows internetwork calls, Direct Inward Dialing (DID), call forward and transfer, and custom call control via IVR and DTMF signaling. Optional hardware modules perform real-time audio transcoding between G.723 to G.711, and G.728 to G.711, enabling end-users on the LAN or WAN to support these audio coding standards.

The L2W-323 also provides transparent support for H.261 and H.263 video coding and RAI/RAC load balancing. The gateway features include Interactive Voice Response (IVR), echo cancellation and DTMF support. The L2W-323 supports up to eight concurrent voice calls or four concurrent video calls between users on different networks. Users of an L2W-323-enabled network also benefit from full end-to-end support for T.120 sessions. T.120 enables users to view diagrams, graphic presentations and slide lectures simultaneously with other videoconferencing participants, provided all terminals support the standard in their collaborative applications.

RADVISION
the V²oIP™ experts

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features	benefits
Voice Calls	Connects H.323 terminals to telephones
Switched Connections	Expandable two or four WAN ports - ISDN (BRI), V.35/RS366 or V.25bis
Internal Imux	■ Calls at 128k, 256k, 384k, using Bonding mode 1 ■ Parallel dialing for bonded calls
Call Control	■ Built-in Gatekeeper Ver 2.0 and IVR functions ■ Interoperates with Cisco gatekeeper and proxy ■ RAI/RAC messages with Gatekeeper for load balancing
Compatibility	■ Complies with H.320 and H.323 standards for videoconferencing ■ Supports standard communication interfaces (ISDN, V.35) ■ Supports audio coding (G.711, G.723, G.728, G.722)
Modular and Stackable	■ Each L2W-323 can be configured with up to four switched ports ■ Multiple gateways may be cascaded to support more WAN connections ■ Gatekeeper may be disabled in multiple gateway configurations
Diagnostics	■ Built-in test CPU, peripherals and memories are tested when turned on (at 'power on') ■ Front Panel LED indications ■ Remote diagnostics configurable via modem
Easy Installation, Configuration and Management	■ Windows SNMP-based application utility ■ PPP Remote configuration via modem ■ RS232 serial/modem port for remote configuration and diagnostics ■ Field software upgradable ■ Telnet
LAN Interface	■ 10/100 BaseT - IEEE 802-3 ■ Ethernet port, RJ45 Connector
WAN Interfaces	■ V.35 Module (MW-V35-2T) Dual port module, DTE nx56, nx64 (n=1,2,4,6,12) up to 768Kbps Automatic clock rate sensing. V.25bis or RS366 dialing, 26pin D-type connector ■ V.35 Module (MW-V35-2C) Dual port module, DCE nx56, nx64 up to 768kbps. V.25bis or RS366 dialing 26-pin D-type connector ■ ISDN Module (MW-BRI-2-EC) Dual BRI S-interface with line echo cancellation. Supports EuroISDN, 5ESS, DMS100, NI-1, NTT. Standard RJ45 connector

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Specifications

Terminal Port: RS232, 9 pin D-type, DCE

Protocols: H.323 Ver 1&2, H.225, H.245, H.320, H.221, H.242, H.243

Video coding: H.261 and H.263

Audio Transcoding (optional)

- G.711/G.723 or G.728/G.711
- Up to 4 simultaneous transcoded calls

Data: High speed T.120 data collaboration

Panel LEDS: Power, Test, Link, WAN Session (x4)

Dimensions: 43.2cm x 35.0cm x 4.3cm

Power Supply: 100-240VAC auto sense, 50/60Hz

Environment

- Operating Temperature – 0-40 C (32-104 F)
- Humidity – 15% - 85% non-condensing
- Safety – UI 1950, CSA 22.2 No. 950, EN 60950
- Emission – FCC Part 15, subpart J, class B
- Immunity – EN 50082-1

Warranty

One year return-to-factory warranty.

For cabling information and other details, contact your local distributor

About RADVISION

RADVISION is a leading provider of products and technology for real-time voice, video, and data communications over packet networks; this includes the Internet and other Internet Protocol (IP) based networks. Recognized universally as the experts in real-time Voice and Video over IP (V²oIP), RADVISION offers the broadest and most complete set of enabling technology and networking systems needed to enable enterprises and service providers to migrate their voice and video communications from traditional telephone networks to new converged networks. Today, hundreds of thousands of end-users around the world communicate over next-generation networks, using IP-centric products and solutions built around RADVISION products and technology. RADVISION's V²oIP networking products include: gateways, conferencing bridges, and gatekeeper applications; RADVISION's multi-protocol software toolkits for IP communications include: SIP, MEGACO, MGCP, and H.323. For more information, please visit our website at: **www.radvision.com.**

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