

## L2W-323 Multimedia PRI Gateway

Voice and Video Internetworking Gateway Translates Between Circuit Switched and IP Networks

**The RADVISION L2W-323 PRI 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.**

### Enabling Real Time V<sup>o</sup>IP

The RADVISION L2W-323P PRI Gateway is a high-performance, cost effective, scalable solution that can maximize the return on investment for existing ISDN facilities. This fully self-contained 'standalone' gateway translates between H.323 and H.320 protocols and converts audio, video and data from circuit-switched to IP (Internet Protocol) packets. Multiple IP-based H.323 endpoints can share a single PRI T1/E1 facility when communicating with ISDN-based endpoints. The L2W-323P reduces communication costs, simplifies network access control and administration, and utilizes network resources more effectively.

The L2W-323P PRI Gateway was specially designed to support high call volumes over a high-speed network interface. Depending on the PSTN side area network provisioning, audio, video and data can be exchanged in real-time at 64kbps, 2B calls or 384kbps bonded calls. The L2W-323 also provides transparent support for H.261 and H.263 video coding and RAI/RAC load balancing.

IP telephony and conferencing features include an Interactive Voice Response (IVR) auto-attendant, echo cancellation, DTMF recognition and generation, and optional audio transcoding (G.711/G.728 and G.723/G.711). The L2W-323P supports all major Central Office switch and PBX protocols, interconnecting H.323 endpoints to POTS/ISDN telephones, PBXs as well as to H.320 videoconferencing clients, enabling traditional H.320 end-point users to protect their investment.

### Comprehensive Gatekeeper Functionality Provides

#### Complete Network Control

Built-in gatekeeper functionality provides H.323 management and control services such as registration and management, address resolution, bandwidth control and more. RADVISION's enhanced Windows NT based gatekeeper application is available as an option for high performance in large production networks.



# L2W-323 Multimedia PRI Gateway

features	benefits
V <sup>o</sup> IP Conferencing and IP Telephony	<ul style="list-style-type: none"> <li>■ Connects H.323 terminals to switched circuit networks (H.320)</li> <li>■ Supports Interactive Voice Response (IVR), DID (Direct Inward Dialing) MSN, TCS-4, and default extension</li> <li>■ Provides internal inverse multiplexing with four 384kbps simultaneous video sessions</li> <li>■ Eight 2B simultaneous video sessions, up to 16 concurrent voice calls</li> <li>■ Advanced services — group hunting, call transfer</li> <li>■ Supports line Echo Cancellation and DTMF</li> </ul>
Switched Connections	<ul style="list-style-type: none"> <li>■ Configurable E1/T1 PRI network interface</li> <li>■ Support for fractional E1/T1</li> <li>■ Configurable to terminal side (TE) or network side (NT)</li> <li>■ Global connectivity — supports all major Central Office Switch and PBX protocols</li> <li>■ Interconnect H.323-based endpoints to ISDN/POTS telephones</li> </ul>
Call Control	<ul style="list-style-type: none"> <li>■ Direct Inward Dialing (DID)</li> <li>■ Built-in gatekeeper Ver 2.0 + Cisco proxy support</li> <li>■ Optional NGK-200 production gatekeeper</li> <li>■ Third-party gatekeeper interoperability</li> <li>■ RAI/RAC messages with GateKeeper for load balancing</li> </ul>
Modular and Stackable	<ul style="list-style-type: none"> <li>■ Multiple gateways may be stacked to support more WAN connections</li> <li>■ Embedded gatekeeper may be disabled in multiple gateway configurations</li> </ul>
Diagnostics	<ul style="list-style-type: none"> <li>■ Built-in test CPU, peripherals and memories are tested when turned on (at 'power on')</li> <li>■ Front panel LED indicators</li> <li>■ Remote diagnostics configurable via modem</li> </ul>
Easy Installation, Configuration and Management	<ul style="list-style-type: none"> <li>■ Windows SNMP-based application utility</li> <li>■ Telnet</li> <li>■ Local and remote (PPP) configuration</li> </ul>
Field Upgradable	Using FTP, new version can be downloaded into flash memory



## Specifications

### LAN Interface

- 10/100 BaseT - IEEE 802-3
- Ethernet port, RJ45 Connector

**Data:** High speed T.120 Data collaboration

**LAN Interface:** 10/100 Base T, RJ45 connector

**WAN Interface:** PRI RJ45 connector

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

### Protocols

- H.323 Ver 2.0
- Audio - G.711, G.728, G.723
- Video - H.261
- Data - T.120

### Switched Protocols

- AT&T 5ESS/4ESS
- Northern Telecom DMS 100
- National ISDN-2 (NI-2)
- Euro-ISDN

**Audio Coding:** G.711, G.723, G.728, G.722

**Video Coding:** H.261 and H.263

### Audio Transcoding (optional)

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

### Internal Imux

- Calls at 128k, 384k, using bonding mode 1
- Parallel dialing for bonded calls

### Line Parameters

#### T1 mode -23B + D

- Clock rate of 1.544 mbps
- ESF or D4 framing
- B8ZS or AMI Encoding
- Line impedance -100 Ohms

#### E1 mode -30B + D

- Clock rate of 2.048 mbps
- G.704 with CRC4 framing
- HDB3 or AMI Encoding
- Line impedance -120 Ohms

### Long haul PRI Module (Japan only)

### Support for Hong Kong and Taiwan PRI system

### Certifications

#### 1. Safety

- UL1950 / CSA CS22.2 950
- EN60950, IEC950

#### 2. EMC

- FCC Part 15, Class A
- ICES-003 Class A
- EN50082-1
- EN300 386-2 (EN55022 Class A, CISPR-22)

#### 3. Telecom

- FCC part 68
- CE CTR4

### 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 (V<sup>o</sup>IP), 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 V<sup>o</sup>IP 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](http://www.radvision.com).

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