*via*IP100 gw-P10/B40 Gateways

Best of Breed, Cost-Effective Gateway Solutions for Small to Medium Sized Enterprises

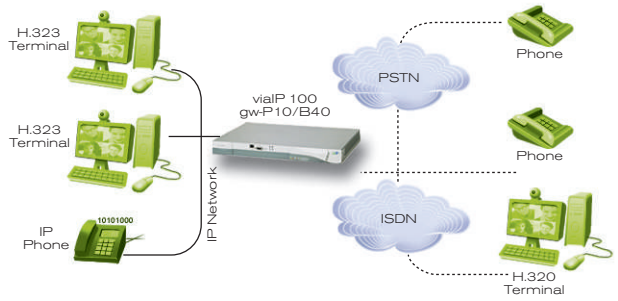
The vialP100 gw-P10/B40 Gateways enable audio, video and data communications between H.320 endpoints that connect through ISDN and H.323 endpoints that connect through an IP-based network. Small and medium sized enterprises can now connect ISDN/PSTN and IP videoconferencing networks both cost effectively and seamlessly.

vialP100 gw-P10/B40

The vialP100 gw-P10/B40 Gateways enable worldwide reach and preserve legacy investments by connecting your ISDN and IP-based networks. The Gateways seamlessly translate between H.320 and H.323 networks to relay audio, video and data streams from one network to another.

vialP100 gw-P10 provides seamless communication between IP and ISDN/PSTN using PRI (Primary Rate Interface) lines, while the gw-B40 uses BRI (Basic Rate Interface) lines.

Multimedia conferencing via the Gateway



The vialP100 gw-P10/B40 offer exceptional advantages for videoconferencing users, and for your business:

- The RADVISION Gateway can help you to connect any remote site such as branch offices, clients or suppliers so that all parties can enjoy full multimedia communications regardless of the type of network, whether it be ISDN or IP
- The Gateway allows you to construct a future-ready IP videoconferencing network while still supporting full connectivity to legacy ISDN videoconferencing infrastructures

As your network grows you can benefit from the RADVISION vialP enhanced suite of products

The RADVISION vialP100 gw-P10 and gw-B40 are both a part of the vialP product family. The vialP product family provides advanced gatekeeper functionality (ECS), multipoint conferencing (MCU), application and data sharing (DCS), intuitive scheduling system (RSS) and Gateways

vialP100 gw-P10/B40 Main Features

- **Video and Audio Coding**
  A large variety of video and audio coding and transcoding options
- **Call Routing**
  For efficient routing of incoming calls including Interactive Voice Response (IVR) and Direct Inward Dialing (DID)
- **Line Quality**
  Supports line Echo Cancellation for high voice quality
- **ISDN Rollover***
  Ensures a high success rate for Gateway call connections when many calls are running simultaneously
- **Seamless Integration with PBX Systems**
  Supports all common central office switches
- **Quality of Service (QoS)**
  TOS bits and DiffServ for ensuring the best quality of media traversing on the network
- **Load Balancing on the Network**
  Supports H.323 standard load balancing mechanism using RAI/RAC to ensure high call completion
- **Auto Unregister Failure Notification**
  For high call completion
- **Network Specific Facility (NSF)**
  Improving interworking between system administrators and network operators
- **Dial Plan Support**
  Supports a simplified dial plan for outbound dialing using a single universal prefix
- **Web-Based Monitoring and Control**
  Monitor the Gateway at both the element board level and the system level
- **Subaddress Support**
  Enables gatekeepers to route a call via the ISDN network when there is not enough bandwidth on the IP network
- **T.120**
  Seamless support for T.120 data collaboration
- **Interoperability**
  With other compliant gateways, gatekeepers, terminals and MCU products

* gw-P10 feature only

RADVISION
the V²oIP experts™

Product Specifications:

Communication Interfaces

- 10/100Base-T Ethernet IP UTP connection
- RS-232 DTE 9-pin D-type serial port

gw-P10 System Capacity (T1)

1 x PRI T1 Line:

- Up to 23 ports (voice only)
- Up to 11 ports @128 Kbps (video and data)
- Up to 3 ports @384 Kbps (video and data)
- Bonded calls: 128 Kbps (2B) up to full PRI of 1472 Kbps (23B), using bonding mode 1

Example: 3 ports @ 384Kbps (6B), 2 ports@128Kbps (2B) and 1 voice call to fully utilize system capacity

gw-P10 System Capacity (E1)

1 x PRI E1 Line:

- Up to 30 ports (voice only)
- Up to 15 ports @128 Kbps (video and data)
- Up to 5 ports @384 Kbps (video and data)
- Bonded calls: 128 Kbps (2B) and up to a full PRI of 1920 Kbps (30B), using bonding mode 1

Example: 4 ports @ 384Kbps (6B), 2 ports@128Kbps (2B) and 2 voice call to fully utilize system capacity

gw-B40 System Capacity

4 x BRI E1 Lines:

- 8 voice ports, 8 video ports or any combination of the two
- 1 port x 512 Kbps
- 1 port x 384 Kbps
- 2 ports x 256 Kbps
- 4 ports x 128 Kbps
- 8 ports x 64 Kbps
- Bonded calls: 128 Kbps (2B) up to 512 Kbps (8B), using bonding mode 1

gw-P10/B40 Support

- Protocols: H.323, H.320 and T.120
- Audio: G.711, G.722, G.723.1 and G.728
- Video: H.261, H.263
- Resolution: CIF, QCIF
- gw-P10 Compliance:
  AT&T 5ESS and 4ESS, Notel DMS 100, National ISDN, Euro-ISDN, Hong Kong and Taiwan PRI System
- gw-B40 Compliance:
  Nortel DMS 100, National ISDN, AT&T 5ESS Custom/Multipoint, AT&T 5ESS PTP, ETSI, ETSI PTP, VN6 Dialing, Austel 1 Dialing, KDD, NTT, Hong Kong Dialing

Audio Transcoding (optional add-on-module)

- gw-P10
  G.711 (ISDN) <>G.723.1 (IP) for up to 30 voice only channels
  G.711 (IP) <>G.728 (ISDN) for up to 20 audio transcoded video channels
- gw-B40
  G.711 (ISDN) <>G.723.1 (IP) for up to 8 voice only channels
  G.711 (IP) <>G.728 (ISDN) for up to 8 audio transcoded video channels

Power Supply

- Input 100-240V AC universal port ~2A

Product Specifications:

Chassis Dimensions

Standard 1U high, 19-inch rack-mountable chassis

- Height: 1U (1.75 inches or 44.45 mm)
- Width: 17.25 inches (438.15 mm)
- Depth: 10 inches (254 mm)
- Weight: 4.14kg – gw-P10
- Weight: 4.18kg – gw-B40

Environmental Requirements

- Operating temperature: 0°C to 40°C (32°F to 104°F) ambient temperature
- Storage temperature: -25ºC to 70ºC (-13°F to 158°F)
- Relative humidity: 5% to 90% non-condensing

Safety

UL 60950: 2000, CAN/CSA C22.2 No. 60950-00, GS, EN 60950: 2000, ACA TS001:97, AS/NZS 3260:93, A4:97, AS/NZS 60950: 2000, IEC 60950:99 (CB)

EMC

FCC Part 15, Subpart B (Class A), ICES-003, CE (class A) - EN 55022: 98, EN 55024: 98 , IEC 61000-3-2: 95, Am.A14: 2000, IEC 61000-3-3: 95, IEC 61000-4-2/3/4/5: 95, IEC 61000-4-6: 96, IEC 61000-4-8: 93, IEC 61000-4-11: 94, AS/NZS 3548: 95, Am.1: 97, Am.2: 97 (class A), VCCI: 99 (class A)

Telecom

ACTA Part 68, Industry Canada, CE CTR3, CE CTR4

Warranty:

One-year return-to-factory. Extended warranties and support services available. For cabling information and other details, contact your local distributor.

RADVISION Support Services

When you purchase RADVISION high-quality, videoconferencing networking products, you don't have to go far to find the expert help you need. We provide comprehensive, networking configuration design and consultation, installation services and maintenance support plans. So, whether you need help designing and installing your new products, or ongoing network support, you can rely on RADVISION for consistent, professional delivery of services. We are experts at understanding videoconferencing networking technology and at providing the support required to keep your investments running smoothly.

About RADVISION

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 V^2oIP videoconferencing network products include: gateways for communication between IP and ISDN networks, conferencing bridges, and gatekeeper applications. RADVISION enabling technology includes developer toolkits for SIP, MEGACO/H.248, MGCP, and H.323 and the ProLab™ Test Management Suite.

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