



Newsbrief WORLD TELECOM LABS

Edition April 2012

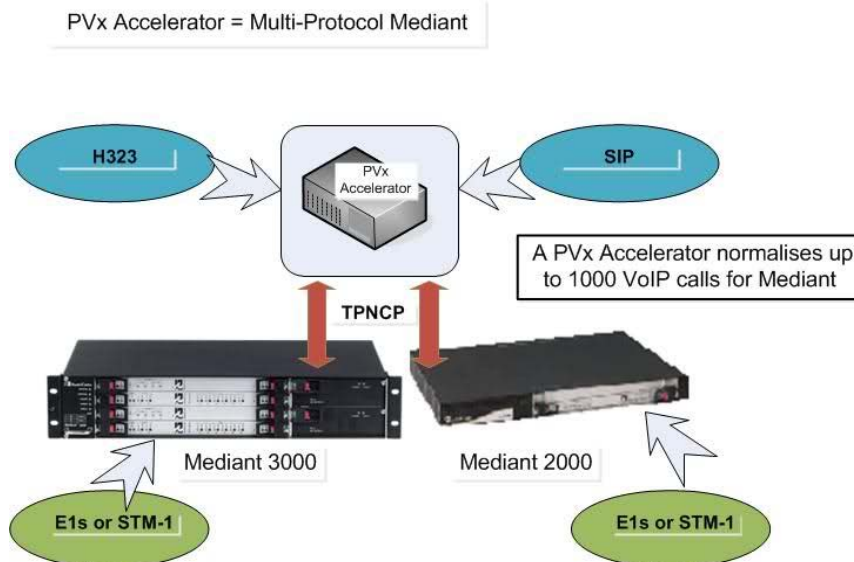
Making The Mediant A Multi-Protocol VoIP Switch

The PVx Accelerator allows any Mediant 2000 or 3000 to handle both SIP and H323

The AudioCodes Mediant¹ family is a deserved market leader in the VoIP Media Gateways arena. However, there are times when even the leader needs a little help. On the VoIP side, the Mediant firmware allows either SIP signaling or H323 but not both. This can be a real restriction for applications that need a wider range of connectivity. The PVx Accelerator from WTL addresses this to make the Mediant a complete VoIP solution, whatever the protocol needed.

Ideal for mixed traffic environments:

- Existing H323 applications (IVR, Fax Server) with call server (IP PBX , Lync, IP Centrex)
- Least Cost Routing with many carriers
- Customer-owned IP-PBXs
- Clearing house applications
- Networks with wide installed base of VoIP devices
- Residential & SME customers



Benefits

- SIP + H323 in any combination
- Up to 1000 VoIP calls per chassis (and stackable beyond this)
- Total routing freedom - VoIP to VoIP (any flavor), TDM to TDM, VoIP to TDM

- Good for migration toward all-VoIP world
- HA (High Availability) version for carrier-grade applications
- Supports 200 CPS under sustained load
- One PVx Accelerator gives protocol conversion for multiple Mediants
- Works with E1 or STM-1 Mediants
- Enterprise or carrier market

How does it work?

The PVx Accelerator is a high performance, multi-protocol SoftSwitch which is designed to handle any type of VoIP traffic seamlessly. It can then normalize this mixed VoIP traffic and deliver it to the Mediant in whatever flavor is needed. VoIP-to-VoIP switching can be managed on the PVx itself (including converting between SIP and H.323), whilst calls needing transcoding to TDM are forwarded to the Mediant's E1 ports. The PVx can support up to 1000 VoIP calls in any combination of SIP or H323 signalling and for higher capacities, units can be stacked. A single PVx will perform this service for many Mediants if required. Up to 360 VoIP trunks per PVx can be created so many customers or multiple different carrier interconnects can be serviced. As traffic patterns change over time the PVx allows an easy migration to an all-VoIP world, the Mediants can be removed as the E1 usage decreases and the PVx can be used in a stand-alone mode without any Mediant. This makes the solution also very competitive for the enterprise market.

The product is also available in a HA (High Availability) mode where 2 or more PVxs will automatically load share the VoIP traffic.

WTL & The PVx Range

World Telecom Labs is a Belgium-based company which has long been a leader in the provision of VoIP switches, Pre-Paid applications and signaling gateways for emerging carriers and telecom service operators. WTL has an installed base of 100,000s of voice ports with service providers worldwide switching billions of minutes of VoIP traffic using WTL equipment.

The WTL PVx family has been designed and perfected over many years to give a range of added-value services to Mediant gateways. WTL is a long term technology partner of AudioCodes since becoming one of the company's first customers in Europe more than 10 years ago.

Please [contact us](#) to learn more details about this solution.

We will be in touch soon with news of other Signalling, Protocol Conversion, Bandwidth Saving and Ease of Use products which can enhance the Mediant gateway.

¹ Mediant is a trademark of AudioCodes Inc.