Newsbrief WORLD TELECOM LABS   **Edition June 2012**

One-Box Maximum Added-Value for the Mediant family

The WTL PVx is the ideal, one-box platform for adding value to the AudioCodes Mediant[1] family. We have worked as AudioCodes partners for many years to offer carrier-grade add-on solutions for the Mediant. With 1000s of E1s installed in 100s of operators around the world this is the stable, reliable, high performance solution that leading carriers expect. There are many different areas where the PVx can add extra features or improve the performance of AudioCodes gateways.

Helping you make more of your Mediant:

- SS7 and ISDN support on the same Mediant

- Improve Calls Per Second (CPS) Performance

- Add VXML support

- Save bandwidth with added VoIP compression

- Support both SIP and H.323 simultaneously

	SS7 Signalling	CPS Acceleration	VXML	VoIP Compression	SIP + H323
Mediant 1000	x	x	a	a	a
Mediant 2000	a	a	a	a	a
Mediant 3000	a	a	a	a	a
Mediant 8000	a	x	a	a	a

Benefits

- We call it the "Swiss Army Knife" of the telecom world because it can fix so many problems ;-)

- Makes Mediant a true multi-protocol switch

- Access to new value-added sales opportunities

- Increases the target market for Mediant

- WTL are true telecom specialists with vast experience of many, many deployments

- Allows rugged, scalable, very high performance solutions to be created

- Good for migration toward all-VoIP world

- HA (High Availability) version for carrier-grade applications

- One PVx Accelerator gives value-added features for multiple Mediants

How does it work?

The PVx Accelerator is a high performance server which is carefully optimized for SIP call handling. It uses TPNCP, a low level AudioCodes API to take over the SIP message processing of the Mediant. This leaves the Mediant free to handle the media itself and perform the conversion of the voice streams from TDM to VoIP. Using a dedicated signaling and call processor in this manner gives enormous performance gains. The efficient design also means that one PVx Accelerator can be used to boost multiple Mediants at the same time. Off-loading extra functions to the PVx allows them to be managed with maximum efficiency so that VXML, VoIP compression, multi-protocol traffic grooming and other tasks have no impact on Mediant performance. The high capacity of the PVx (handling 200 call set ups per second) means that large scale networks can be created using E1s or STM-1s across the whole Mediant 2000, 3000 and 8000 range signalling and for higher capacities, units can be stacked. A single PVx will perform this service for many Mediants if required.

The product is also available in a HA (High Availability) mode where 2 or more PVxs in Active/Standby failover mode will automatically manage the Mediants.

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 email Sales Consultant Bertrand Goldfard at bertrand.goldfarb@wtl.be to learn more details about this solution.

Typical applications for the PVx include:

- SS7 to SIP solutions

- Televoting and complex IVR applications

- VxML voice deployments

- H323 to SIP

- Satellite transmission

- Sophisticated IP routing

- and many others……

[1] Mediant is a trademark of AudioCodes Inc.