

## Avaya and Quintum



### Providing a Survivable Branch Office Telephony Solution

Banks, retailers, government agencies, educational institutions, or any company with branch offices, needs a complete, cost effective and survivable telephony services solution that simplifies management of a single IP-PBX in the main office.

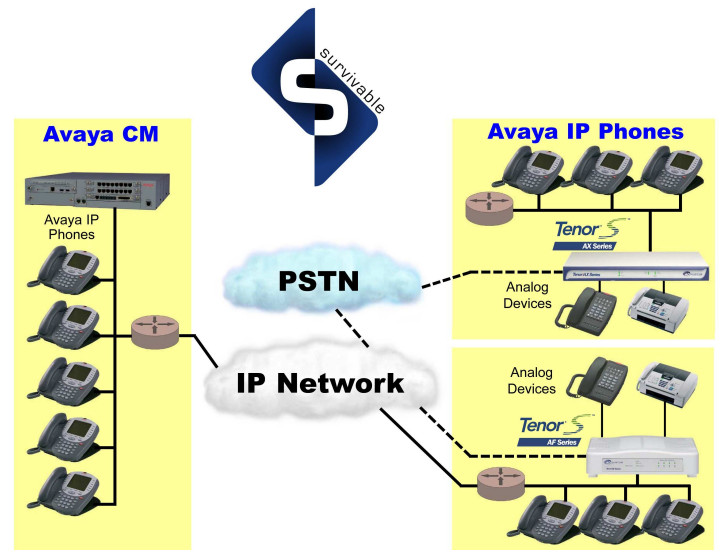
The Tenor VoIP MultiPath Switch from Quintum Technologies, an Innovator-level member in the Avaya Developer Connection program, helps maintain connectivity between offices, providing redundant and survivability telephony services. With the Tenor switch, Avaya can offer enterprise customers a complete SIP-based IP PBX solution that includes robust and survivable telephony service for branch and remote offices.

#### Tenor works with the following Avaya products:

- **Communication Manager** – Integrates telephony call processing, call control, messaging, contact center and a widely accepted application programming interface into a highly scalable architecture designed to support both circuit-based and IP-based telephony within a distributed enterprise communications network
- **SIP Enablement Services (SES)** – Creates a communication services layer within the Avaya Communications Architecture that mediates between Avaya MultiVantage™ applications and a wide range of standards-based user agents, web-based applications and communication devices

#### Survivable Tenor Offers IP Telephony Users Several Significant Advantages:

- **Analog Device Support** – Tenor provides VoIP integration of legacy analog and modem-based devices. The Tenor will support connectivity to analog phones, fax machines, elevator phones, PA systems etc, and modem-based devices including postage meters and alarms.
- **Telephone Network Connectivity and Emergency Services Support** - Through its MultiPath Technology, Tenor provides local PSTN connectivity for emergency services, as well as support for local inbound and outbound phone services.
- **IP Phone and IP Endpoint Survivability** - If the connection to the Avaya Communication Manager/SES should fail, the Tenor VoIP MultiPath switch provides survivability support of the IP telephony network. The Quintum Tenor monitors and manages the connectivity between Avaya IP phones and Avaya Communication Manager/SES and provides the phones with redundant and survivable telephony services. Tenor, in its survivable mode, will provide basic telephony services to keep the branch office productive despite loss of direct service from the Communication Manager/SES. The Tenor will not only provide survivability for the IP phones, but will also continue to support call routing over the VoIP network, including:
  - IP phone to IP phone
  - IP phone to analog phone
  - IP phone or analog device to the PSTN
  - One branch office to another branch office



Quantum provides a complete survivable branch office solution

*Compared to traditional VoIP gateways, the Survivable Tenor VoIP MultiPath Switches offer these benefits:*

- MultiPath architecture for transparent deployment
- MultiPath switching for intelligent call routing
- SelectNet™ for assured voice QoS with PSTN Reliability
- PacketSaver™ for efficient bandwidth utilization
- Universal Dial Plan for easy integration into any network.

#### System Requirements

- Avaya Communication Manager 3.1
- Avaya SIP Enablement Services 3.1

#### About Quintum

Quintum has developed a complete line of intelligent Tenor VoIP access switching and gateway solutions that are deployed in enterprise and service provider networks around the world. The Quintum Tenor® solution is the only product that offers **Survivability** to assure telephony communications remain live in branch office locations, even if the IP PBX network fails; **Unmatched protection of voice quality** and availability; **Ease of Ownership** with scalability, security and remote management capabilities; **Ease of installation** because Tenors are designed to fit into virtually any network offering and compatibility across PBX and IP PBX environments; and **Lower TCO** because Tenors require no PBX modifications, no additional equipment, and no provisioning expenses.

According to InStat/MDR, Quintum has the second-largest marketshare in the low density VoIP market. The company was picked by Forbes for its "Top Ten To Watch in 2005" list of top privately-held technology companies and was ranked number 205 on the INC. 500 list of fastest growing private companies.

Quintum sells its switches worldwide through its direct sales force and a network of resellers and distributors. For more information, call 1-877-SPEAK IP (1-877-773-2547), 1-732-460-9000 outside the US, or visit <http://www.quintum.com>.

