



Quintum's Tenor: Branch Office VoIP for Nortel Networks Succession 1000 Environments

Quintum's Tenor Switch provides a branch office VoIP solution for the Nortel Networks Succession 1000. Tenor delivers intelligent connectivity with the Succession 1000, traditional analog phones and the PSTN. If connectivity to the Succession 1000 is lost, Tenor will continue to support interoffice VoIP calling and connectivity to the PSTN for the analog devices connected to Tenor.



Quintum's Tenor Switch delivers an effective branch office VoIP solution for the Nortel Networks Succession 1000. The Tenor's unique MultiPath architecture provides intelligent call routing and complete support for the branch office

networking on the Succession 1000, including:

- Connectivity between the PSTN and the Succession 1000 Network
- Connectivity between analog phones/Fax machines and the Succession 1000 Network
- PSTN "hop off" and "hop on"

Tenor switches offer FXS and FXO connections in addition to a VoIP interface to the IP network. This allows Succession 1000 users to build a much more flexible

VoIP network. In addition to providing traditional analog phones and fax machines full access to the Nortel Networks Succession 1000 network, Tenor switches also allow the Succession 1000 network access to the remote office PSTN for local calls.

The Succession 1000 can route calls from IP phones and analog devices over the IP network to a Tenor at another location, where the calls can then "hop off" onto the PSTN. This allows Nortel Networks customers to achieve even greater cost savings by using the corporate network to bypass long distance and international toll charges. The Tenor also enables calls from the PSTN to "hop on" to the VoIP network and get routed to the appropriate end-point (whether its an IP phone or analog device) anywhere on the network. This allows the network to be further leveraged by remote and/or mobile users. Access to the VoIP network from the PSTN can be authorized via internal IVR prompts and PIN codes.

In combined Succession 1000/Tenor environments, the Succession 1000 provides Nortel Networks' feature set to Nortel Networks IP phones and provides key call processing and calling features for analog phones. If the branch office loses connectivity to the Succession 1000, the Tenor ensures that all calls from analog devices connected to the Tenor will be completed by automatically routing all calls

over the PSTN network. Tenor Switches therefore radically reduce the risk of VoIP deployment.

The Tenor's integrated "gatekeeper" functionality provides an additional level of reliability. This gatekeeper can be configured as a secondary gatekeeper to support the VoIP network. If connectivity with the Succession 1000 is lost, the Tenor's gatekeeper will take over the call processing for the Tenor analog endpoints. This will allow the VoIP network to remain functional between all the branch offices for calls from the analog phones connected to the Tenor. The analog phones will support basic calling functions, and all connectivity provided by Tenor switches will continue uninterrupted.

Where multiple branch offices are supported with Tenor Switches, the analog phones and fax machines connected to the Tenors can take advantage of the Tenor's unique features for communication between those offices.

These capabilities include:

Real Time QoS Switching

SelectNet™ Technology can monitor the quality of all VoIP calls between Tenor Switches and if the quality of the call becomes threatened by IP network impairment, the call can be transparently switched to the PSTN - in mid call!

Compatibility Information:

Quintum's A400, A800 were verified as compatible with the Nortel Networks' Succession 1000 rls.2 in a controlled laboratory environment on April 29, 2003.

Easy co-existence with NAT

Many VoIP switching architectures have difficulty in environments where network address translation (NAT) is used on network firewalls. The Tenor's NATAccess™ feature makes it easy to implement a secure VoIP network in these environments.

Optimum bandwidth efficiency

Unique PacketSaver™ Technology lets Tenor Switches multiplex VoIP packets to achieve bandwidth utilization reductions of up to 57%.

Full Standards Compliance

Tenor Switches support and interoperate with a wide range of standards-compliant third-party products.

Tenor's completeness, ease of ownership and reliability make it the ideal solution for the remote office. There's no better way for Succession 1000 to build a reliable, high-performance VoIP network - whether you're connecting a few buildings on a campus or dozens of locations around the world.

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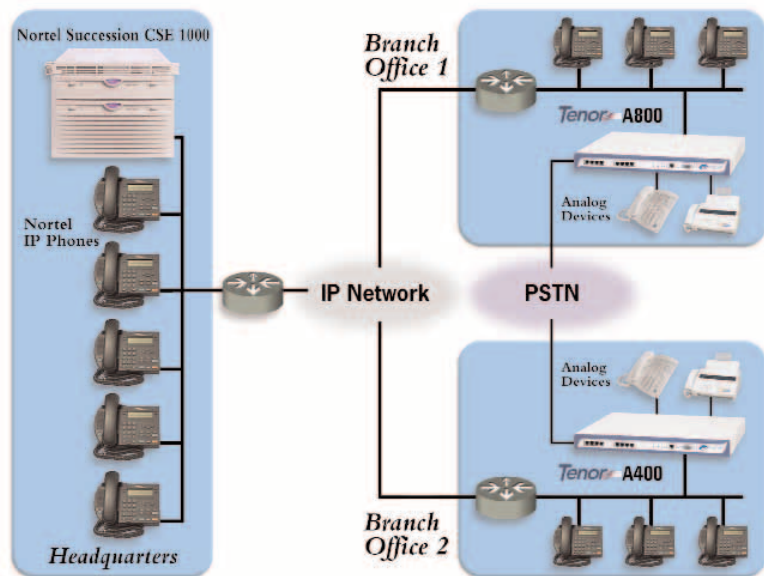
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For all inquiries on this product, please provide the following reference code: NPBCSE



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