



- Provides transparent remote network management for Tenors deployed behind NAT firewalls
- Provides a secure centralized management interface
- Supports configuration, monitoring, troubleshooting, and system upgrades for remote Tenors
- Supports the Tenor Configuration Manager GUI and the Tenor CLI interface
- Supports static or dynamic IP addresses at the enterprise



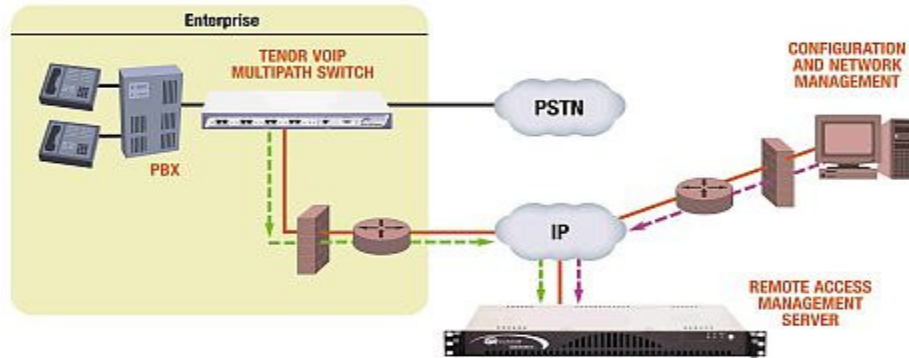
Manage up to 5,000 Tenors per server, with up to 100 simultaneous management sessions

To keep VoIP service running smoothly over your network, you need immediate access to all of your Tenor switches – whether they're around the corner or around the world. Quintum's Remote Management Session Server, with patent pending technology, provides this critical capability by allowing you to easily and securely manage all of your distributed Tenor VoIP switches from a single, intuitive application. It provides the complete system configuration, performance monitoring, diagnostics, troubleshooting and remote upgrade functionality you need to maintain and optimize the health of VoIP services – even if you have to manage Tenor switches that are behind NAT firewalls.

The Remote Management Session Server resides either on the public IP network, or within the DMZ behind a firewall, and upon request, sets up a secure management channel between the configuration and management platform, and a Tenor Switch that is securely located behind a NAT firewall, with either a static or dynamic IP address.

Whether you're an Enterprise, Value Added Reseller, or Service Provider, the Remote Management Session Server allows you to remotely install and manage Tenor switches at your clients' or customers' sites – anytime – anywhere. It also avoids enterprise router/firewall configuration changes or unnecessary truckrolls to support installations. This simplifies installation and maintenance, reduces the time to identify and resolve problems, and greatly improves customer satisfaction.

Remote Management Session Server



Scalable

The Remote Management Session Server can register up to 5,000 remote devices, and can enable management of up to 100 Tenors simultaneously.

Flexible

Tenors can be remotely managed via telnet, FTP or through Quintum's own graphical Tenor Configuration Manager.

Reliable

Each Tenor switch can be registered with two separate Remote Management Session Servers to provide redundancy.

Secure

All communications between the Remote Management Session Server and remote Tenor switches are encrypted to ensure network security.

Easy to implement

For added convenience and ease of implementation, the Remote Management Session Server comes pre-installed on a Quintum Application Server Platform.

Easy to use

Remote Management Session Server's intuitive interface design makes everyday management functions fast and easy. Network administrators can be alerted by E-mail from the Remote Management Session Server when specific Tenor Switches register and are ready for remote management.

REMOTE MANAGEMENT SESSION SERVER SPECIFICATIONS

For secure GUI management:

Quintum Tenor Configuration Manager

For secure CLI management:

SSH Client

For unsecured FTP access:

Standard FTP client

For secured FTP access:

SSH client with SOCKS v.4 server support and FTP client with PASV mode and compatible SOCKS client

TECHNICAL SPECIFICATIONS

Item	Enterprise
Ethernet (IEEE 802.3)	10/100 Mb Auto-sensing
LAN connector	1 x RJ45
Power Supply	100 – 240 Vac, 50/60 Hz
Power Consumption	250 Watts max.
Chassis Height	(1U) 1.75" (4.5 cm.)
Chassis Width (19" Rack Mounting)	16.75" (42.6 cm)
Chassis Depth	14" (35.6 cm.)
Weight	12 lbs. (5.5 kg)
Operating Temperature	40° F (5° C) – 104° F (40° C)
Storage Temperature	14° F (-10° C) – 140° F (60° C)
Operating Humidity	20% - 80% non-condensing
Altitude	-200 – 10,000 ft. (-60 m – 3,000 m)
EMC Certification	FCC Part 15 Class A EN55022:97, EN55024:98 EN61000-3-2&-3-3:95 AS/NZS 3548:1995
Safety Certification	EN60950:92 +A1:92+A2:93+A3:95+A4:96
Monitor Interface	15 pin VGA
Keyboard Interface	USB or PS2

Quintum's unique Remote Management Session Server (RMSS) enables system administrators to manage remote Tenors even if they are located behind corporate firewalls.

Each RMSS can support a maximum of 100 simultaneous management sessions, from a registered base of up to 5,000 Tenors. Servers can be deployed in redundant configurations for maximum availability. Manage up to 5,000 Tenors per server, with up to 100 simultaneous

The RMSS greatly enhances the responsiveness and management sessions efficiency of customer support groups. It facilitates fast, and accurate installation, configuration, upgrades, and diagnostics, by giving trained personnel direct access, eliminating the need for costly truck rolls or service visits.



ApplicationServer Base System

Quintum ApplicationServer in 19" rack mounting chassis. This server is specifically designed to support and run Quintum VoIP network software applications.

Various applications can be enabled, by adding the appropriate software licenses.

Power Requirements : 100 – 240 Volts a.c., 50/60 Hz.

RM-100 RMSS License - 100 Tenor Registration Capacity

Remote Management Session Server software to allow registrations from up to 100 Tenors, with a maximum of 100 simultaneous management sessions.

Capacity upgrades may be combined to increase capacity up to a maximum of 5,000 Tenor registrations.

RM-500 RMSS License - 500 Tenor Registration Capacity

Remote Management Session Server software to allow registrations from up to 500 Tenors, with a maximum of 100 simultaneous management sessions.

Capacity upgrades may be combined to increase capacity up to a maximum of 5,000 Tenor registrations.

RM-2500 RMSS License – 2,500 Tenor Registration Capacity

Remote Management Session Server software to allow registrations from up to 2,500 Tenors, with a maximum of 100 simultaneous management sessions.

Capacity upgrades may be combined to increase capacity up to a maximum of 5,000 Tenor registrations.

**A suitable Country Kit must be ordered with the Remote Management Session Server.*

So if you want to deliver VoIP to remote offices with the greatest possible reliability and cost-efficiency, choose Quintum's Tenor switching solutions at Highside Telecom B.V. and avoid the problems that so often plague enterprise VoIP roll-outs.