Tenor® Call Relay Session Border Controllers

Tenor® Call Relay

- Provides VoIP switching between IP networks
- PacketSaver™ reduces bandwidth requirements 57%!
- Supports IP endpoints behind the NAT firewall
- Standard and High Capacity Service Provider (SP) versions
- Supports up to 672 simultaneous VoIP calls

A more intelligent way to switch VoIP calls among different IP networks

Quintum's Tenor Call Relay™ Session Border Controllers provide a VoIP conduit between IP networks allowing for end to end VoIP communications across multiple IP networks. All calls are switched through multiple IP networks with just one single compression and decompression of the voice. The result is less latency and higher voice quality as the call passes from network to network.

The Tenor Call Relay allows VoIP endpoints, such as VoIP gateways, IP phones and IP soft phones which are behind a Network Address Translation (NAT) firewall, to communicate with VoIP networks on other external IP networks. This allows both enterprises and service providers to expand their VoIP networks to home offices, branch offices, customers, partners, and across the public Internet.

Tenor Call Relay also provides a single point for call management, administration and security at the edge of your VoIP network.

With this unique intelligent VoIP network switching, Tenor Call Relay makes expanding VoIP calling both easy and risk free. Call Relay is available in two versions: Standard version supports up to 32 simultaneous VoIP calls; Call Relay SP supports up to 672.

More intelligence means higher voice quality and less delay

When separate VoIP networks are linked using circuit switched connections, the multiple compression and de-compression processes that occur increase transmission delay and cause unnecessary degradation of the voice quality. Tenor Call Relay eliminates these delays with its direct IP connection between VoIP networks, thereby increasing voice quality.

More intelligence means less network congestion

With its PacketSaver™ Technology, the Tenor Call Relay reduces bandwidth consumption of VoIP calls by multiplexing multiple calls into the same packet, reducing the overall bandwidth utilization by up to 57%, beyond voice compression and silence suppression.

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CALL MANAGEMENT FEATURES

- Call Detail Records
- Support for public and private dial plans

TECHNICAL SPECIFICATIONS

Call Relay Specifications

- H.323 v2 Support: RAS, Fast Start
- SIP RFC 3261 compliant
- Standard version base unit supports 16 simultaneous VoIP calls, software upgradeable to 32
- SP version supports 120 simultaneous VoIP calls, software upgradeable to 672
- VoIP firewall with intelligent *NATAccess™*
- PacketSaver™ packet multiplexing

IP Network Specifications

- 4 LAN Interface: 10/100 Mbps autosensing Ethernet
- Standard RJ-45 interface (IEEE 802.3) for 10 Base-T or 100 Base-T connections
- QoS Support: IP TOS

Configuration/Management

- Remote Management
- SNMP v2 Agent
- Command Line Interface
- Remote Telnet Access
- Serial Console Port: RS-232/DB-9
- Compatible with external Quintum Call Routing Server
- Compatible with Quintum Network Management Server Software

General Specifications

- Operating Temperature: 40° - 104° F (5° - 40° C)
- Operating Humidity: 20% - 80% non-condensing
- Emissions: ENN55022:98; EN61000:95, FCC Part 15 Class A, ICES-003, CNS 13438 Class A
- Immunity: EN55024:98
- Safety: EN60950, UL 1950, CSA 22.2 No. 950

Basic Call Relay

- Dimensions:
  W 17 3/8" x H 1 3/4" x D 10 3/4"
  W 44.5cm x H 4.5cm x D 27.6cm
- Weight: 8 lbs. (3.6 kg)
- AC Power: 100-240 Volts AC, 50/60 Hz, 50 Watts

High Capacity Call Relay

- Dimensions:
  W 17 1/2" x H 1 3/4" x D 11 7/8"
  W 44.5cm x H 4.5cm x D 30.2cm
- Maximum weight: 11.5 lbs (5.25kg)
- AC Power: 100-240 Volts AC, 50/60 Hz, 300 Watts maximum
- DC Power: - 48 Volts DC, 300 Watts maximum

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