



## TENOR AS SERIES SPECIFICATIONS

### CALL MANAGEMENT FEATURES

- Automatic call type detection: Voice/Modem/Fax
- Answer and Disconnect Supervision
- Trunk group support
- Public and private dial plan support
- User programmable dial plan support
- Forced IP routing and IP port mapping
- Pass-through support for calls to Toll-Free, local and special service numbers (i.e., emergency services)
- Automatic appending and stripping of digits to dialed numbers
- Call Detail Records
- Least cost routing with external Quintum VoIP Call Routing Server
- Type I Caller ID Name support (Telcordia, ETSI, NTT and DTMF)

### TECHNICAL SPECIFICATIONS

#### Telephony Specifications

- Voice algorithms: G.723.1a, G.729ab, G.711
- Auto codec negotiation
- Fax support: Industry standard T.38 and Group III at 2.4, 4.8, 7.2, 9.6, 14.4 Kbps
- Modem over IP
- Choice of 2 or 4 FXS and/or FXO configurations
- Standard RJ-11 connectors
- Loop Start, Reverse Battery, Battery Disconnect
- Maximum Call Rate: 300 calls/hour

#### IP Network Specifications

- LAN Interface: Fast Ethernet port (10/100 Base-T)
- Standard RJ-45 Interface (IEEE 802.3) for 10 Base-T or 100 Base-T connections
- DHCP Client
- QoS Support: IP TOS, DiffServ
- Coding: A law,  $\mu$  law
- Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G168, up to 128 msec tailsize

#### VoIP Network Specifications

- H.323 v.3 Gateway and Integrated Gatekeeper
- SIP User Agent (RFC3261 compliant endpoint)
- SIP Back-to-back User Agent (B2BUA)\*
- SIP RFC2833 In-band DTMF signaling
- SIP Refer Method support
- IVR/RADIUS server support for AAA with integrated multilingual IVR
- Adaptive Voice Activity Detection (VAD) with Comfort Noise Generation (CNG)
- Adaptive Jitter Buffer
- Packet Loss Compensation
- NATAccess™
- Security: IP Filtering
- Up to 4 simultaneous VoIP calls

#### Configuration / Management

- Quintum Tenor Configuration Manager (GUI) for configuration of remote individual Tenors
- Quintum Tenor Monitor (GUI) for alarm monitoring, call monitoring and CDR monitoring
- SNMP-v2 Agent
- Command Line Interface

### GENERAL SPECIFICATIONS

#### Dimensions: 1U High Chassis

- W 10 1/8" x H 2" x D 7"
- W 24.5cm x H 5.1cm x D 18.73cm
- Maximum weight: 3.5lbs. (1.6kg)
- AC Power: 100-240 Volts AC, 50/60 Hz, 35 watts
- Operating temperature: 40° - 104° F (5° - 40° C)
- Operating humidity: 10% - 90% non-condensing
- Telco: FCC Part 68, AS/NZ 3260: 1997: AS/ACIFS002:2001
- EMC: FCC Part 15 Class B
- Safety: UL, 1950, ACA TS001:1997