

# Quintum AX Tenor AXE1600 16 port FXS 2 FXO VoIP Enterprise Gateway

Product Name: Quintum AX Tenor AXE1600 16 port FXS 2 FXO VoIP Enterprise Gateway

Manufacturer: Quintum Technologies

Model Number: 501-1141

Tenor S (Survivable MultiPath Switch) Offers a Survivable Branch Office VoIP Access Solution for IP PBXs and IP Centrex. Quintum's Tenor S line is a complete SIP-based VoIP solution for the branch office or for service provider customer premise equipment, providing full survivability in the event that access to the central and/or hosted IP PBX is lost. Because it delivers a complete solution in a single device - and because it offer such easy, scalable implementation and management - the Tenor S line significantly reduces the total lifecycle cost of VoIP deployment, while optimizing service reliability. Tenor S also offers PSTN connectivity and legacy equipment integration for both analog and modem based devices. The Quintum® Tenor® AX Series gives small to medium sized businesses, SOHOs and branch offices with analog voice infrastructures an easy, cost-effective way to capitalize on the power of Voice over IP (VoIP). Tenor offers a complete survivable branch office solution providing support for integrating analog endpoints and the PSTN, while offering backup call processing support for all SIP and analog calls. Both versions of Tenor include the features that made Quintum the VoIP market value leader:

- MultiPath architecture for easy integration with existing voice and data infrastructure, meaning little or no re-programming of the PBX, or upgrades are required and no need for special dialing plans.
- Transparent MultiPath Call Routing to intelligently route calls between the PBX, the PSTN, and the IP network to achieve the best combination of cost and quality. The Tenor can also route calls over IP to reduce costs, and then transparently "hop off" to the PSTN, to reach off-net locations.
- Auto Provisioning interface allows the Tenor solution to be deployed worldwide, and configured automatically by acquiring the configuration information from a central server, upon installation. The same auto-provisioning capability allows the Tenor to be configured from a VoIP application, thus supporting a single user interface between the VoIP application and the Tenor configuration.
- Unified Communications Proxy (UCP) provides 'Any to Any' connectivity: SIP - SIP, TDM - TDM and SIP - TDM, for easy integration with any network.
- Universal Dial Plan that provides a programmable dial plan so Tenor can be integrated into any network environment.
- PacketSaver® Technology multiplexing to reduce bandwidth consumption by up to 57% by combining voice packets from multiple calls into a single packet.
- NATAccess® to allow Tenor to operate behind NAT firewalls to translate internal IP addresses into public addresses when a VoIP call is established with an outside party.
- Remote Management for anywhere, anytime remote management even behind NAT firewalls with Quintum's Remote Management Session Server

## 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 (ie. emergency services, etc.)
- Automatic appending and stripping of digits to dialed numbers
- Call Detail Records

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- 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: Group III at 2.4, 4.8, 7.2, 9.6, 14.4 Kbps, using industry standard T.38; Super G3 compatible up to 33.6 Kbps
- Modem support with G.711
- Choice of 8, 16, or 24 FXS and/or FXO configurations or a 48 FXO only configuration
- Standard 50 pin RJ-21 Telco connectors
- Coding: A-law, &micro;-law
- Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G168, up to 128 msec tailsize
- Loop Start, Reverse Battery, Battery Disconnect

## IP Network Specifications

- LAN Interface: 1 Fast Ethernet port (10/100Base-T)
- Standard RJ-45 Interface (IEEE 802.3) for 10Base-T or 100Base-TX connections
- DHCP Client
- QoS Support: IP TOS, DiffServ

## VoIP Network Specifications

- H.323 v.3 Gateway and Integrated Gatekeeper+
- Support for multiple SIP User Agents (RFC3261 compliant endpoint)
- DTMF Signaling via RFC2833 or SIP Info
- SIP Supplementary Services
- SIP Refer Method Support
- Message Waiting Indicator
- IVR/RADIUS server support for AAA with integrated multi-lingual IVR+
- Adaptive Voice Activity Detection (VAD) with Comfort Noise Generation (CNG)
- Adaptive Jitter Buffer
- Packet Loss Concealment
- NATAccess&trade; - NAT/Firewall
- Security: IP Filtering
- Up to 48 simultaneous VoIP calls
- Support for DNS-SRV
- Survivability - (Option only available in AXM, AXT and AXE Series)
- SIP Outbound Proxy
- Supports up to 100 SIP endpoints

## Configuration / Management

- Auto-Provisionable
- Quintum Tenor Configuration Manager (GUI) for configuration of remote individual Tenors
- Quintum Tenor Monitor (GUI) for alarm monitoring, call monitoring and CDR monitoring
- Remote access with external Remote Management Session Server
- SNMPv2 Agent
- Command Line Interface
- Tandem/TDM switching
- Maximum Call Rate: 1,800 calls/hour

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**Price: £1,425.00**

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VoIPVN <http://voip.com.vn>