

Hybrid Gateway 60



Tenor Series Hybrid Gateway 60

- Available with 1 or 2 T1/E1/PRI Spans
- Up to 60 VoIP channels
- Configurable for MultiPath or Gateway Applications
- Unified Communications Proxy
- Universal Dial Plan
- Integrated Microsoft Mediation Server Ready
- Supports Remote VX and Tenor Gateways
- Supported by Remote Management Tools
- Perfect for Deployments with Microsoft Office Communications Server 2007 and Exchange 2007

The Tenor Series Hybrid Gateway supports an Integrated Microsoft Mediation Server with NET's award-winning Tenor Series VoIP Gateway. This single box solution simplifies VoIP deployments for Microsoft Unified Communications, and reduces the total cost of ownership.

The new UC Proxy enables intelligent connectivity of SIP and legacy telephony analog endpoints to the unified communications cloud, and supports branch office survivability for standard SIP endpoints.

MORE INTELLIGENCE MEANS GREATER FLEXIBILITY

With its MultiPath Call Routing, the Tenor Series can intelligently switch calls between the PBX, the PSTN, and Microsoft Office Communications Server 2007, allowing it to be adaptable to various configurations. The Tenor Series can also route calls over IP to reduce costs, and then transparently "hop off" to the PSTN, to reach off-net locations.

MORE INTELLIGENCE MEANS EASIER INSTALLATION

With its MultiPath architecture, the Tenor Series is the only VoIP solution that can be installed with minimum modification to the existing voice network. Tenor Series connects to the data network through a 10/100 Ethernet interface, and to the enterprise and public voice network through a T1, E1, or PRI interface.

MORE INTELLIGENCE MEANS EASIER DEPLOYMENT

The Tenor Series Hybrid Gateway is integrated on an enterprise class Intel (R) SR-1500 (1U) server with Intel Quad-Core Xeon processors. This single box solution contains a Tenor Series DXi VoIP gateway, and is ready for your Microsoft Unified Communications mediation server software to be installed.

MORE INTELLIGENCE MEANS LOWER TOTAL COST OF OWNERSHIP

The Tenor Series Hybrid Gateway 60 provides a unique Unified Communications (UC) Proxy that enables the Tenor Series gateway to access a full range of telephony endpoints to connect to the unified communications cloud. Tenor Series's UC Proxy also offers the ability to deploy multiple gateways off of one server, and to connect branch offices, IP PBXs, IP phones, and legacy VoIP equipment. The UC Proxy also recognizes fax calls and sends them directly to fax machines. Tenor Series integrates them all into the enterprise UC environment.

FIELD-PROVEN RELIABILITY FOR INTEGRATED APPLICATIONS

Based on field-proven NET technology, the Tenor Series Hybrid Gateway provides a powerful, reliable integrated solution to bridge the gap

TENOR SERIES: THE ROBUST VOIP SWITCHING SOLUTION FOR MICROSOFT UNIFIED COMMUNICATIONS

NET's Tenor Series switching/gateway solutions are deployed worldwide to provide highly reliable, easy-to-implement Microsoft Office Communications Server 2007 connectivity in a full range of enterprise and service provider environments. This highly adaptable solution integrates traditional PBXs, IP PBXs, and other SIP-based communications environments. The Tenor Series is a Perfect Fit for Microsoft Office Communications Server 2007!

between Microsoft Office Communications Server 2007 and the legacy telephony world. The Tenor Series Hybrid Gateway continues NET's commitment to excellence in VoIP technology and customer support.

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 routing
- Pass-through support for calls to Toll Free, local and special service numbers (emergency services, etc.)
- Automatic appending and stripping of digits to dialed numbers
- Call Detail Records
- Least Cost Routing with external NET VoIP Call Routing Server*
- Caller ID Name and Number

TECHNICAL SPECIFICATIONS:

Telephony Specifications:

- Voice algorithms: G.723.1 and 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 pass-through support with G.711
- Choice of 1 or 2 T1/E1/PRI Spans
- Standard RJ-45 Connectors
- Coding: A-law, μ -law
- Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G.168, up to 128 msec tailsize
- PRI Signaling Protocols: National ISDN-2, Euro ISDN NET5, Japan INS-NET1500, KDD, 4ESS, 5ESS, DMS100
- T1 CAS (E&M, Loop Start, Feature Group-D, DTMF, MF)
- E1 CAS (R2 MF)
- DASS2
- Tandem/TDM switching
- Maximum Call Rate: 7,200 calls/hour
- VoIP to circuit, and circuit to circuit (Tandem/TDM) switching

IP Network Specifications:

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

VoIP Network Specifications:

- Support for multiple SIP User Agents (RFC3261 compliant endpoint)
- DTMF Signaling via RFC 2833 or SIP Info

- SIP Supplementary Services
- Message Waiting Indicator
- SIP Refer Method support
- 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™ - NAT/Firewall
- Security: IP Filtering
- Up to 60 simultaneous VoIP calls
- Support for DNS-SRV

Configuration / Management:

- Auto-provisioning
- NET Tenor Series Configuration Manager (GUI) for configuration of remote individual Tenor Series
- NET Tenor Series Monitor (GUI) for alarm monitoring, call monitoring and CDR monitoring
- Remote access with external Remote Management Session Server for gateway management
- Intel Remote Management Module 2 for remote server management
- SNMPv2 Agent
- Command Line Interface

TENOR SERIES HYBRID GATEWAY:

SR 1500 - Intel Server:

Dimensions:

Chassis Height: (1U) 1.70" (4.33 cm.)
Chassis Width (19" rack mounting): 16.93" (43 cm.)
Chassis Depth: 33" (83.8 cm.)

- Weight: 31 lbs. (14.1 kg.)
- Intel family of Xeon processors
- Raid 1 mirroring with hot-swappable drives
- Ethernet (IEEE 802.3): 10/1000 Mb Auto-sensing
- LAN connector: 2 x RJ45
- Power Supply: 100 – 240 Vac, 50/60 Hz
- Power Consumption: 600 Watts max
- Operating Temperature: 50° F (10° c.) – 90° F (35° c.)
- Storage Temperature: -40° F (-40° c.) – 158° F (70° c.)
- Non-Operating Humidity: 90% non-condensing @ 82.4° F (28° c.)
- EMC Certification: FCC Part 15, EN55022 1994, EN55024 1998
- Safety Certification: UL 60950-1, CSA C22.2 NO. 60950-1, IEC 60950-1, EN6950:99
- System Cooling Requirement: 2901 BTU/Hour

Integrated PCI Express Card:

- Telco: FCC Part 68
- EMC: FCC Part 15, EN55022 1994, EN55024 1998
- Safety: UL60950, EN60950

WEBSITE: Please visit our website at www.net.com for information on how to contact us, place an order or get more information on NET solutions.



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