

MITEL

NuPoint Messenger | IP Model 640

High-Capacity, Resilient Messaging Solution



Mitel® NuPoint Messenger™ IP Model 640 is a highly scalable and robust messaging solution that scales to over 100,000 users. With support for leading IP-PBX and TDM gateways, it delivers a cost-effective migration path from legacy voice mail systems. A modular architecture allows you to buy the system you need today, and cost-effectively add applications, features, and capacity as your business grows and evolves over time.

High Reliability and Resiliency

NuPoint Messenger IP Model 640 is designed to deliver carrier-grade reliability and resiliency. It consists of two fully redundant servers that act as a single module, configured as a redundant active / passive pair. If the active server goes down, the passive server takes over and handles all calls to mailboxes and all Web and network traffic. With optional continuous system operation, the fail-over from active to passive server is fully automated, ensuring that the system is fully operational with full port capacity within seconds of a failure. Finally, you can use network management tools and NuPoint Messenger Web-based management to monitor and administer the system from any networked PC.

Worry-free Migrations

Customers with Centigram System, BayPoint Innovations, or legacy Mitel NuPoint Messenger™ Model 640 systems can rest assured NuPoint Messenger IP Model 640 is simply the next generation of these solutions. This means migrating to NuPoint Messenger IP is simple for administrators and end users alike. The familiar Centigram / Mitel telephone user interface (TUI) enables the seamless migration of messages, databases, and greetings. For migrations from non-Centigram / NuPoint Messenger systems, other TUIs are available, including a numeric TUI, an Octel-like TUI and a telecommunications device for the deaf (TDD) interface. Upgrading from Mitel NuPoint Messenger™ IP to NuPoint Messenger IP Model 640 will appear seamless to the end user, as the feature set and user interface are the same.



it's about **YOU**

Advanced IP and TDM Integration

NuPoint Messenger IP Model 640 is a voice over IP (VoIP) solution that integrates with both a VoIP network and a traditional analog network. Whether you have already converged your voice and data networks, or have plans to do so in the future, NuPoint Messenger IP Model 640 will accommodate. For traditional time division multiplex (TDM)-based private branch exchanges (PBXs), NuPoint Messenger IP Model 640 supports digital, T1 / E1 with MSDN or simplified message desk interface (SMDI), and analog / SMDI integrations. Digital and analog integrations are supported through an session initiation protocol (SIP) interface to a PBX integration gateway, while T1 / E1 integrations leverage an IP messaging gateway. For large or distributed organizations, NuPoint Messenger IP Model 640 also supports simultaneous integration to multiple PBXs using enhanced SMDI (ESMDI) and dual message waiting indication (MWI) through RS232 and dual tone multi-frequency (DTMF) to PBX message waiting.

NuPoint Messenger IP Model 640 Features

Key Features and Applications

- Carrier grade reliability at an enterprise price point
- Large system scaling for centralized deployment
- Advanced unified messaging with text to speech (Microsoft® Exchange Server 2003)
- Lightweight directory access protocol (LDAP) / Microsoft® Active Directory® integration
- Multiple numbers per mailbox
- Continuous system operation ensures resiliency and delivers 99.999 percent uptime (excludes scheduled maintenance)
- Message retrieval and management (from phone, email, or Web browser)
- Web-based tool to create sophisticated corporate or personal auto attendant with time of day / week / year routing, blind / supervised / screened transfer, multilevel menu, emergency override
- Soft fax for incoming faxing and fax publishing without any requirement for fax cards
- Web-based administration for mailbox maintenance, report generation and system maintenance
- Greeting only, chain, rotational, broadcast, Q&A, and information mailboxes
- Multilingual, mnemonic, and numeric prompts
- Billing and reporting
- Advanced networking (number portability (NP) net transmission control protocol (TCP) / Internet protocol (IP), audio messaging interchange specifications (AMIS), and voice profile for Internet messaging (VPIM))
- Record-a-call and recorded announcement device (RAD) support

Specifications

System Capacity	
Number of ports	8 to 240
Maximum hours of speech storage	10,000 hours
Maximum mailboxes	120,000
Simultaneous languages	8
Simultaneous unified messaging Web view connections	60
Simultaneous advanced unified messaging mailboxes:	6,000 (with a Messaging Application Programming Interface (MAPI) gateway)
Simultaneous PBX integrations	32 (ESMDI)

System Hardware			
Server Assembly	PBX Integration Gateway (PIMG)	Mitel Messaging T1 / E1 Gateway	MAPI Gateway
<ul style="list-style-type: none"> • Dual Intel® Xeon® Class 2.8Ghz Microprocessor • Embedded 1 GB NIC • 2 GB RAM • Redundant power supplies and fans • DVD-ROM drive • One serial port • Two USB ports • External RAID storage with 7 x 146 GB drives 	<ul style="list-style-type: none"> • 8 telephony ports per unit • 1 serial port for serial protocol support • One 10 / 100Base-T ethernet port 	Two variations: <ul style="list-style-type: none"> • Non-redundant gateway supports up to 48 T1 / 60 E1 ports • Redundant gateway has redundant power and hard drives and supports up to 96 T1 / 120 E1 ports 	Minimum Requirements: <ul style="list-style-type: none"> • Single Core Pentium Processor • 1GB RAM • 80 GB Hard Drive • Microsoft® Windows Server® 2003 or Microsoft® Windows® XP

System Dimensions			
	Server Assembly (individual 360)	PBX Integration Gateway	Mitel Messaging T1 / E1 Gateway
Height	1.7 in (4.32 cm)	2.1 in (5.3 cm)	2.5 in (8.9 cm) 2U
Width	16.78 in (42.63 cm)	10 in (25.4 cm)	17.75 in (45.1 cm)
Depth	27.75 in (70.49 cm)	9.5 in (24.1 cm)	20.25 in (51.4 cm)
Weight	37 lbs (16.78 kg)	2.5 lbs (1.13 kg)	31.5 lbs (14.3 kg)

Supported PBX's			
Vendor	Model	Revision	Emulation
IP Integration			
Mitel	3300 ICP	Release 5.1.3 or greater	
Digital Integration			
Mitel	Mitel SX-200 IP Communications Platform (ICP)	Release 1.2.0.7 or greater	Superset 430
	Mitel SX-200®	Mitel LIGHTWARE™ 17 v1.1 or greater	Superset 430
	Mitel SX-2000® LIGHT	M stream or greater	Superset 430
Nortel®	Meridian (M-1 and SL-1) Option 11-8	Release 15 or greater	M2616
	Norstar 8x24 DR5	Release 1.2 or greater	M7324
	Norstar MICS	Release 4.5 or greater	M2616
	Succession 3.0	PIMG 4.5 or greater	M2616
	Succession 4.0	PIMG 4.5 or greater	M2616
OptiSet™ (Siemens)	Hicom 300E	Release 9006.4 or greater	E Advantage Plus

Supported PBX's (cont'd)

Vendor	Model	Revision	Emulation
Digital Integration (cont'd)			
Lucent™ (Avaya)	Definity® G3	Version 3 or greater	8434 (2-wire mode)
	Merlin Magix®	Release 2.0 or greater	4424D
NEC™	2400 IMG	Release 7400 or greater	Dterm III
	2400 IMX	Release 5200 Dec. 92 1b or greater	
	2000 / 2400	PIMG 4.5 or greater	eMCI
Analog / SMDI Integration			
Various	PBX must support analog loop start station interfaces and SMDI		
T1 and E1 Integration			
Mitel SX-2000 LIGHT	T1 or E1 with MSDN with a Mitel gateway		
Central Office	DMS100 / 5ESS	TIMG 5.1 or Mitel Messaging Gateway Release 8.0	T1 / E1, PRI, Q.SIG
Various	PBX must support T1 / E1 interface and SMDI or Q.SIG with a Mitel Gateway		

Environmental Conditions

	Server Assembly	PBX Integration Gateway	Mitel Messaging T1 / E1 Gateway
Operating Temperature	50°F to 95°F (10°C to 35°C)	32°F to 122°F (0°C to 40°C)	41°F to 122°F (5°C to 50°C)
Non-operating Temperature		-4°F to 158°F (-20°C to 70°C)	
Relative Humidity Operating	10% to 90%	8% to 80% humidity	40% to 90%
Power Input	565 W (Max)	165 W	150 W

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