DSX BUSINESS

SIP TRUNKING, WIRELESS IP DECT, AND MORE

NEC

DSX

Sophistication Simplified

Innovative NEC takes the lead with state-of-the-art innovations sure to make your business communications more efficient, profitable, and enjoyable. Stylish additions to any work environment, all DSX telephone models feature built-in speakerphone, two-position angle adjustment, and built-in wall mounting. Enhanced models also offer a backlit display and illuminated dial pad. Right out of the box, the system offers an innovative built-in Automated Attendant which can answer calls, play a greeting, and allow callers to directly dial extensions and departments without assistance. Also built-in is the ability to record a custom message for callers on hold.

Full-Featured VoIP DSX provides cost-effective SIP Trunking with over a dozen certified providers from which to choose. Install DSX IP keysets on-premise or off-site in a remote office. Peer-to-peer connections conserve resources, and built-in NAT Traversal makes remote IP extension set up a breeze. Choose between the 34-Button Backlit Display and the 34-Button Backlit Super Display offering the same features as their digital counterparts as well as Full Duplex speakerphones. Compliant third-party SIP phones, soft phones, and Analog Telephone Adapters (ATAs) are also supported.

DSX Mobile IP Extension lets employees on the go use their smartphone to stay in touch with co-workers and associates. Mobile IP Extension uses a softphone (such as Counterpath's Bria) on an iPhone or Android smartphone as a DSX IP extension. The mobile extension connects to the office WiFi network when the user is at work and automatically re-registers over the cellular network while they travel. The basic operation of the Mobile IP Extension never changes, regardless of location.

Affordable and Reliable Designed with affordability and scalability in mind, DSX is sized right – from the economical DSX-40 to the DSX-80/160. All DSX-80 cards can be migrated to the DSX-160. Even when growing from the DSX-40, your investment in IntraMail, programming, telephones, and other station equipment is retained. Since DSX is simple to install and easy to use, the expenses of configuration, programming, and post-installation training are minimized. Additionally, the core DSX call processing features are mature, efficient, and reliable – yet intuitive and easy to use.

Put IntraMail to Work for You

IntraMail The ability to add voice mail is built into the system and only requires a compact flash card to activate. IntraMail is a full-featured Voice Mail Auto Attendant system that will greet and transfer callers and record voice mail messages. With built-in voice prompt guidance in English, Spanish, and French, IntraMail is a great fit in multilingual environments. From 2 to 8 voice mail ports are available and easily upgraded through licensing. IntraMail features include:

- *Message Center* – Notify extension groups of important messages visually, using a message center key.
- *Directory Dialing* – Dial a na me instead of a number to reach your party.
- *Message on Hold* – Record your own informative company message.
- *Caller ID* – Caller information is verbally provided with a voice mail message.
- *Conversation Record* – Save and record conversations with the touch of a button.
- *Live Call Screening* – Listen as callers leave a message and pick up to answer.

IntraMail Pro Supports all of the features of IntraMail plus:

- *Email Integration* – Receive notification of a new voice mail message to your email inbox. Notification includes the caller's number and name and can optionally include the recorded message as a .WAV file attachment. Additionally, Email Integration can automatically dispose of a new message when it is sent. The email disposition options include *Save When Sent* (save the voice message once the email is sent) and *Erase When Sent* (conversely erase the voice message).
- *Email Synchronization* – The status of the voice mail message is automatically updated when you open the email and is displayed in the message. The voice mail message will be marked as listened to and will be saved or erased based on the user's preferences. There is no additional setup or special email requirements. Email Synchronization works with all types of email accounts (client or web-based).
- *Cascading Message Notification* – Cascading Message Notification can call you at up to five preset destinations to let you know a new voice mail message has arrived.
- *Park and Page* – Allows a caller to page you without operator assistance. You can pick up the call from any extension.
- *Find Me Follow Me* – The Automated Attendant can find you when you're not at your desk.
- *Wakeup Call* – Great for Motels and Bed & Breakfast establishments, DSX can automatically deliver a wakeup voice message to a room guest at a designated time. Wakeup Calls are conveniently managed from the web-based Wakeup Call Manager at the front desk. The front desk can set new wakeups, change those that are currently scheduled, and review the status of wakeups that were answered or ignored.

Email Synchronization

FLEXIBLE, INTUITIVE SOLUTIONS FOR TODAY'S OFFICE

Built-in Caller ID The capability for Caller ID (with Call Waiting) is inherent in every DSX system. With Caller ID, you can identify incoming callers before the call is answered. The caller's name and number (if available) will appear simultaneously in the display.

Logging – Stores the name, number and time/date of received outside calls for easy review, save and redial.

Return Call – Easily return a call without manually re-entering the caller's number. Select from a list of choices or have the system automatically redial the call for you.

Checking – A manager can view Caller ID information associated with a co-worker's line or extension.

Analog Ports – Caller ID information can be sent to analog single line ports for use with customer-provided Caller ID accessories.

Wireless IP DECT The ML440 Wireless IP DECT handset and AP20 Access Point provide the convenience of mobility by combining the latest VoIP and DECT communication technologies. The ML440 and AP20 use WiFi friendly DECT 6.0 (1.9 GHz) technology, so they won't disrupt the office wireless network. A single AP20 accommodates 30 handsets and supports 10 simultaneous calls. The extended-coverage solution, with support for up to 20 access points, provides seamless handover. DSX supports up to 32 ML440 handsets per system.

Phone Manager Administration Tool Users and administrators can easily customize the most frequently-used telephone features with DSX Phone Manager. There is no software to install – Phone Manager is built into DSX and is web-based. The intuitive interface gets the user up to speed right away with no special training required.

Wireless IP DECT

Customize Your Communication Solution Advanced telephone features include:
- *Backlit Display and Illuminated Dial Pad*[1] – easy viewing in low light areas.
- *Interactive Soft Keys* – that change function as you use your phone, allowing you to access to advanced features by just pressing a key.
- *User Level Programming* – easy and intuitive guided menu system for customizing the features of your telephone.
- *Hot Dial Pad* – dial a call without first lifting the handset or pressing keys.
- *Dual color (red/green) LEDs* – to help easily distinguish between calls.
- *Desk Stand* – adjustable for two different positions.
- *Wall Mounting* – built-in for low-profile wall mounting capability.

Cordless DECT
Offers mobility, plus many standard features of the wired telephone, including handsfree, 8 programmable feature keys with LEDs, and a backlit display. Range extendable via repeaters.

22-Button Display
Offers a large display, programmable keys, and a built-in speakerphone – making this the most economical option without sacrificing convenience.

Wireless Headset Adapter[1]
Provides seamless integration with Plantronics Wireless Headset Systems.

34-Button Display[2]
The same features as the 22-Button Display, plus additional programmable keys, and is enhanced with a backlit display and illuminated dial pad.

DSS Console
For power users, provides another 60 dual color programmable keys.

34-Button Super Display[2]
All the features of the 34-Button Display and offers our largest, most interactive display for advanced users. Unique light sensors adjust the phone's brightness based on room lighting.

[1]Select models.
[2]Available in IP and digital telephone models.

DSX digital telephones and console are available in black or white. IP and cordless telephones are available in black only.

DSX Specifications and Features

Specifications[1]

DSX-40

	Base	Max[1]
Digital Stations	8	24
VoIP Stations[4]		32
VoIP Gateway Ports		8
Analog Stations	2	18
Lines	4	8
SIP Trunks		8
Door Box Ports	2	2

DSX-80

	Max[1]
Slots	4
Digital Stations	32
VoIP Stations[4]	32
VoIP Gateway Ports	16
Analog Stations	32
Lines	64
SIP Trunks	16

DSX-160

	Max[1]
Slots	8
Digital Stations	96
VoIP Stations[4]	32
VoIP Gateway Ports	16
Analog Stations	96
Lines	64
SIP Trunks	16

IntraMail

Voice Mail Ports	2, 4, 6, or 8
Storage Hours[3]	8, 16, or 32
Subscriber Mailboxes	128

General

One Pair Wiring
USB 2.0 (Full Speed)
10/100 BASE-TX Ethernet, Auto-MDIX
RS-232 Serial Port for SMDR

DSX Features

2-Position Telephone Angle Adjustment
Account Codes
Alphanumeric Display
Ambient Light Sensor
Attendant Position
Auto Redial
Auto Attendant (Built-in)
Automatic Daylight Savings Time Adjustment
Automatic Handsfree
Automatic Ring Down
Background Music
Backlit Display (selected models)
Barge In (Intrusion)
Battery Backed-up Memory
Call Coverage Keys
Call Forwarding On and Off Premises
Call Timer (with or without a key)
Call Waiting / Camp-On
Callback
Caller ID (with Call Waiting)
Caller ID Logging (CID with Return Call)
Caller ID Manual Callback
Caller ID to Single Line Telephones
Class of Service
Conference (up to 8 parties per conference)
Conference, Meet-Me
Conference, Unsupervised
Cordless DECT Telephone
Delayed Ringing
Department Groups (for Ring and UCD Groups)
Dial Number Preview
Dial Tone Detection
Direct Inward Dialing (with ANI/DNIS and DID Translation Name)[2]

Direct Station Selection (DSS)
Direct Station Selection (DSS) Console
Directed Call Pickup
Directory Dialing with Search
Distinctive Ring (ICM, CO, Ring Grp, Recall)
Do Not Disturb
Do Not Disturb Override
Door Box (Analog)
Extended Ringing
Extension Hunting (Circular, Terminal, UCD)
Extension Locking
Flash
Flexible Numbering Plan
Forced Line Disconnect
Group Call Pickup
Group Listen
Group Ring
Handsfree and Handsfree Answerback
Headset Compatibility
Hold (with Recall Display)
Hold and Park Programmable Recall Cycles
Home Automation Integration (HAI-compatible)[5]
Hot Dial Pad
Hotline
Illuminated Dial Pad (selected models)
Interactive Soft Keys
Intercom
Intercom Queue Key
Internet Time Service
ISDN / PRI[2]
Language Selection
Last Number Redial
Line Groups
Line Keys
Line Queuing / Callback
Line Scheduling
Loop Keys
Meet-Me Conference
Message on Hold (Built-in)
Message Waiting
Microphone Mute
Modem (Built-In)
Monitor / Silent Monitor
Music on Hold
Names for Extensions and Lines
NAT Traversal
Night Service / Night Ring
Off-Hook Signaling
Paging (Internal and External) with Answer
Paging, Multicast
Park (with Recall Display)
Park Orbit Recall Pickup
Password Reset Utility
PBX / Centrex Compatibility
PC Program (System Administrator)
Peer-to-Peer IP Extensions
Phone Manager
Prime Line Preference
Privacy
Privacy Release Groups
Private Line
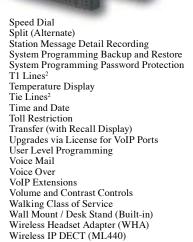PRI / ISDN[2]
PRI Calling Party Number
Pulse to Tone Conversion
Remote IP Extensions
Remote Programming
Removing Lines and Extensions From Service
Reverse Voice Over
Ring / Message Lamp
Ringdown Extension
Ringing Line Preference
Room Monitor
Save Number Dialed
Selectable Display Messaging
Silent Monitor
Single Line Telephones
SIP Trunking
Speakerphone

Speed Dial
Split (Alternate)
Station Message Detail Recording
System Programming Backup and Restore
System Programming Password Protection
T1 Lines[2]
Temperature Display
Tie Lines[2]
Time and Date
Toll Restriction
Transfer (with Recall Display)
Upgrades via License for VoIP Ports
User Level Programming
Voice Mail
Voice Over
VoIP Extensions
Volume and Contrast Controls
Walking Class of Service
Wall Mount / Desk Stand (Built-in)
Wireless Headset Adapter (WHA)
Wireless IP DECT (ML440)

IntraMail Features

Announcement Message
Answering Machine Emulation / Call Screen
Auto Time and Date Stamp
Autoplay Messages
Automated Attendant
Broadcast Message
Caller ID (with Return Call)
Centrex Transfer
Conversation Record
Directory Dialing
Distribution Lists
Email Integration with Name[3]
Email Synchronization[3]
External Transfer
Fax Detection
Find Me Follow Me[3]
Flexible Answering Schedules
Interactive Soft Keys
Message Center Mailbox
Message Disposition[3]
Message Notification (Local and Remote)
Message Notification (Cascading[3])
Multilingual Prompts (English, Spanish, French)
Multiple Company Greeting (8)
Number of Messages Displayed
Park and Page
Personal Greeting (3)
Security Code (with Option)
Single Digit Dialing
System Administrator
Upgrade Licenses for IntraMail Ports and IntraMail Pro
Voice Mail Overflow
Voice Prompting Messages
Wakeup Call[3]

[1] Capacities listed are system maximums and may be limited by system configuration.
[2] DSX-80/160 only.
[3] Requires IntraMail Pro.
[4] Connectivity limited by available VoIP Gateway ports.
[5] HAI-Compatible systems include Omni IIe, OmniPro II, Lumina, and Lumina Pro.

To find out more about the DSX contact your local NEC dealer, visit our website at www.necdsx.com, or call 800-365-1928.

Empowered by Innovation

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