

# DSX

# BUSINESS

INTRODUCING DSX VoIP



# 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. The DSX telephone superior styling is an attractive addition to any work environment. All models feature a built-in speakerphone, two-position angle adjustment, and built-in wall mounting. Enhanced models also offer a backlit display and illuminated dial pad.

Innovations don't stop with the DSX telephones. Right out of the box, the system has a built-in Automated Attendant which can answer incoming calls, play a greeting, and allow callers to dial extensions and departments directly without operator assistance or additional equipment. Also built-in is the ability to record a custom message for callers on hold.

DSX is sized right – from the economical DSX-40 to the DSX-80/160. To maintain the value of your investment, 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.

**AFFORDABLE AND RELIABLE** NEC designed the DSX with affordability and scalability in mind. Since DSX is simple to install and easy to use, the expenses of configuration, programming, and post-installation training are minimized. Over a decade of intense feature development ensures that the core DSX call processing features are mature, efficient, and reliable – yet intuitive and easy to use.

**NOW WITH VOIP** Install DSX IP keysets on-premise in a managed network or off-site in a remote office. Choose between two types of DSX IP extensions: the 34-Button Backlit Display and the 34-Button Backlit Super Display. These feature-rich IP keysets offer the same features as their digital counterparts, have Full Duplex speakerphones, and are quick to set up in an IP environment. Compliant third-party SIP phones, soft phones, and Analog Telephone Adapters (ATAs) are also supported.

## PUT INTRAMAIL AND INTRAMAIL PRO 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 incoming 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.

### Some of the advanced features of IntraMail include:

**Message Center** – Notify groups of extensions of important messages with visual indication using a message center key.

**Directory Dialing** – Dial a name 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.

**Message Notification** – You can receive a call - anywhere - when a new message arrives.

**Conversation Record** – Save and record your conversation with the touch of a button.

**Live Call Screening** – Listen as callers are leaving you a message and pick up only the calls you want to answer.

**Park and Page** – Allows a caller to page you without operator assistance. You can pick up the call from any extension.

**INTRAMAIL PRO** Supports all of the features of the IntraMail *plus*:

**Email Integration** – Receive notification of a new voice mail message to your inbox. The notification includes the caller's number and name and can optionally include the recorded message as a .WAV file attachment.

**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.

**Find Me Follow Me** – Helps an Automated Attendant caller find you when you are not at your desk.

**Upgrade License** – Simple license upgrade from IntraMail to IntraMail Pro.





**BUILT-IN CALLER ID (WITH CALL WAITING)** 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 outside calls. This allows for easy review, save and redial of received calls.

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

**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.

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

**OFFICE ADMINISTRATOR PC PROGRAM** An office supervisor can quickly customize basic system features from their PC with the Windows™-based Office Administrator. This includes the Time and Date options, important extension feature and voice mail options, and Speed Dial numbers. These features can also be programmed from an office administrator's phone.

## CUSTOMIZE YOUR COMMUNICATION SOLUTION

**Advanced telephone features include:**

**Backlit Display and Illuminated Dial Pad<sup>1</sup>** – for 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** – that lets you dial a call without first lifting the handset or pressing keys.

**Dual color (red/green) LEDs** – to help you easily distinguish between your calls and those of co-workers.

**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 is extendable via repeaters.



**Wireless Headset Adapter<sup>1</sup>**  
Provides seamless integration with Plantronics Wireless Headset Systems. (Headset System not included.)

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



**34-Button Display<sup>2</sup>**  
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<sup>2</sup>**  
All the features of the 34-Button Display and offers our largest, most interactive display for advanced users. Unique light sensor automatically adjusts the phone's brightness based on room lighting.

<sup>1</sup> Select models.

<sup>2</sup> 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<sup>1</sup>

<b>DSX-40</b>	<b>Base</b>	<b>Max<sup>1</sup></b>
Digital Stations	8	24
VoIP Stations	32 <sup>4</sup>	32 <sup>4</sup>
VoIP Gateway Ports	8	8
Analog Stations	2	18
Lines	4	8
Door Box Ports	2	2

<b>DSX-80</b>		
Slots		4
Digital Stations		32
VoIP Stations		32 <sup>4</sup>
VoIP Gateway Ports		16
Analog Stations		32
Lines		64

<b>DSX-160</b>		
Slots		8
Digital Stations		96
VoIP Stations		32 <sup>4</sup>
VoIP Gateway Ports		16
Analog Stations		96
Lines		64

<b>IntraMail</b>		
Voice Mail Ports	2, 4, 6, or 8	
Storage Hours	8, 16, or 32 <sup>3</sup>	
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 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)<sup>2</sup>  
 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  
 Hot Dial Pad  
 Hotline  
 Illuminated Dial Pad (selected models)  
 Interactive Soft Keys  
 Intercom  
 Intercom Queue Key  
 Internet Time Service  
 ISDN / PRI<sup>2</sup>  
 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  
 Night Service / Night Ring  
 Off-Hook Signaling  
 Office Administrator PC Program  
 Paging (Internal and External)  
 Park (with Recall Display)  
 Park Orbit Recall Pickup  
 Password Reset Utility  
 PBX / Centrex Compatibility  
 PC Program (System Administrator)  
 Prime Line Preference  
 Privacy  
 Privacy Release Groups  
 Private Line  
 PRI / ISDN<sup>2</sup>  
 PRI Calling Party Number  
 Pulse to Tone Conversion  
 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  
 Speakerphone  
 Speed Dial  
 Split (Alternate)  
 Station Message Detail Recording  
 System Programming Backup and Restore  
 System Programming Password Protection  
 T1 Lines<sup>2</sup>  
 Tie Lines<sup>2</sup>  
 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)

## IntraMail Features

Announcement Message  
 Answering Machine Emulation / Call Screen  
 Auto Time and Date Stamp  
 Automated Attendant  
 Broadcast Message  
 Caller ID (with Return Call)  
 Centrex Transfer  
 Conversation Record  
 Directory Dialing  
 Distribution Lists  
 Email Integration with Name<sup>3</sup>  
 External Transfer  
 Fax Detection  
 Find Me Follow Me<sup>3</sup>  
 Flexible Answering Schedules  
 Interactive Soft Keys  
 Message Center Mailbox  
 Message Notification (Local and Remote)  
 Message Notification (Cascading<sup>3</sup>)  
 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  
 Upgrades via License for IntraMail Ports, and IntraMail Pro  
 Voice Mail Overflow  
 Voice Prompting Messages

<sup>1</sup> Capacities listed are system maximums and may be limited by system configuration.

<sup>2</sup> DSX-80/160 only.

<sup>3</sup> Requires IntraMail Pro.

<sup>4</sup> Connectivity limited by available VoIP Gateway ports.

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 Some features may be optional or available at a future date.  
 Recording of phone calls is subject to varying state and federal laws.  
 The information herein is subject to change without notice at the sole discretion of NEC.



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To find out more about the DSX and how NEC's powerful and versatile technology platforms can work for you, contact your local NEC dealer, visit our web site at [www.necdsx.com](http://www.necdsx.com), or call 800-365-1928.

Empowered by Innovation

