

NEC

DSX

SOPHISTICATION SIMPLIFIED



ADVANCED BUSINESS TELEPHONE SYSTEM

DSX

INNOVATIVE

DSX from NEC takes the lead with state-of-the-art innovations sure to make your business communications more efficient, profitable, and enjoyable.

DSX is an attractive addition to any work environment. Superior ergonomic styling offers a slim, sleek, compact design with a quality feel. With many models to choose from, each user can enjoy customized service and performance.



Innovation starts with the new DSX telephones. All models feature the same thin, floating design, have a built-in speakerphone, two-position angle adjustment for effortless viewing of the large LCD display, and built-in wall mounting. Advanced features and intuitive soft keys provide users one-button access to extensions, lines, and select system features. Enhanced models also offer a backlit display and illuminated dial pad. Rounding out the line, NEC offers an Integrated Cordless Telephone which provides mobility and flexibility for those who spend much of the workday away from their desk.

The DSX system offers you high performance, flexibility, and the ability to custom design a system that will meet your company's specific telecommunication requirements. Each keyset user has the capability to personalize their telephone to meet their individual needs.

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.



AFFORDABLE

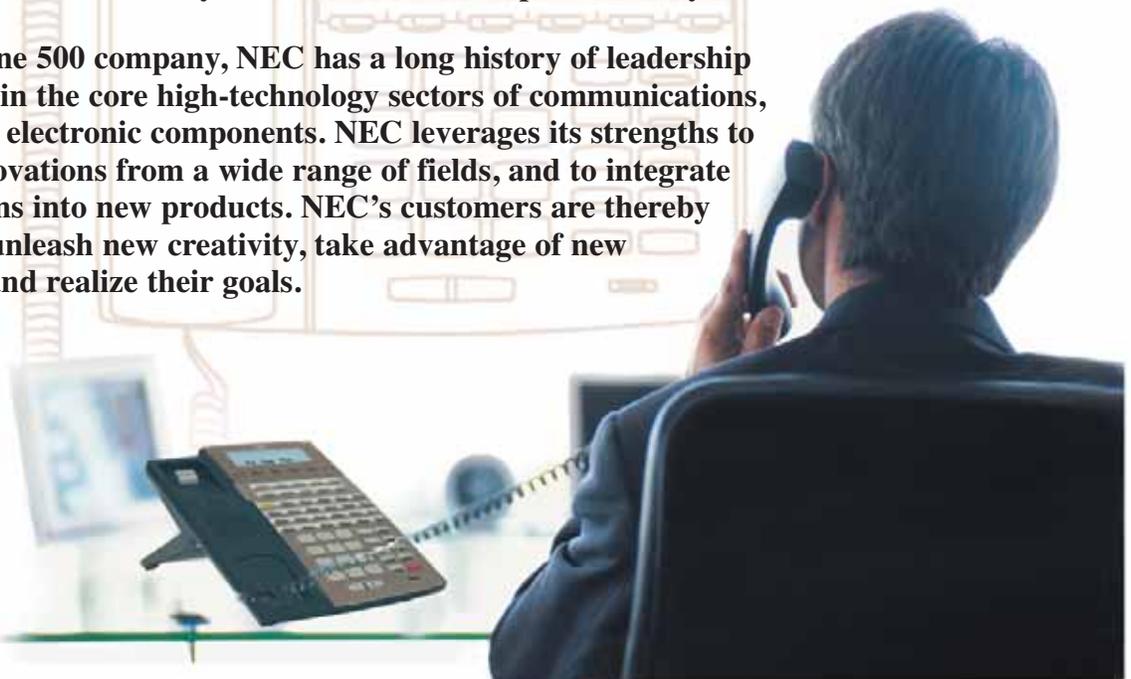
NEC designed the DSX from the ground up with affordability in mind. Economy per port is maximized by high-density circuitry. Native support for T1 and ISDN PRI provides maximum connectivity for low initial investment. Since DSX is simple to install and easy to use, the expenses of configuration, programming, and post-installation training are minimized.

DSX is sized right – starting with the economical DSX-40, progressing to the DSX-80, and reaching maximum system capacity with the DSX-160. To maintain the value of your investment, all the circuitry of a DSX-80 can be migrated to the DSX-160. Even when growing from the DSX-40, your investment in programming, telephones, and other station equipment is retained.

RELIABLE

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. Combined with end-to-end quality assurance and state-of-the-art circuit design, you are assured that DSX will be your reliable business partner for years to come.

A Global Fortune 500 company, NEC has a long history of leadership and innovation in the core high-technology sectors of communications, computers, and electronic components. NEC leverages its strengths to bring forth innovations from a wide range of fields, and to integrate those innovations into new products. NEC's customers are thereby empowered to unleash new creativity, take advantage of new opportunities, and realize their goals.



DSX

Customize Your Communication Solution . . .

Backlit

Large backlit display and illuminated dial pad for easy viewing in low light areas.

Interactive Soft Keys

Soft keys change function as you use your phone, allowing you access to advanced features by just pressing a key.

Feature Keys

User programmable for one-button access to co-workers, features, and outside lines. Dual-color (red/green) LEDs make it easy to distinguish between your calls and those of co-workers.

Fixed Function Keys

Quick access to commonly used features.

Desk Stand

Adjustable two-position desk stand.

Wall Mount

Built-in for low-profile wall mounting.

Headset Jack

Using a headset is convenient and easy, just plug in your commercial-grade headset.

Speakerphone

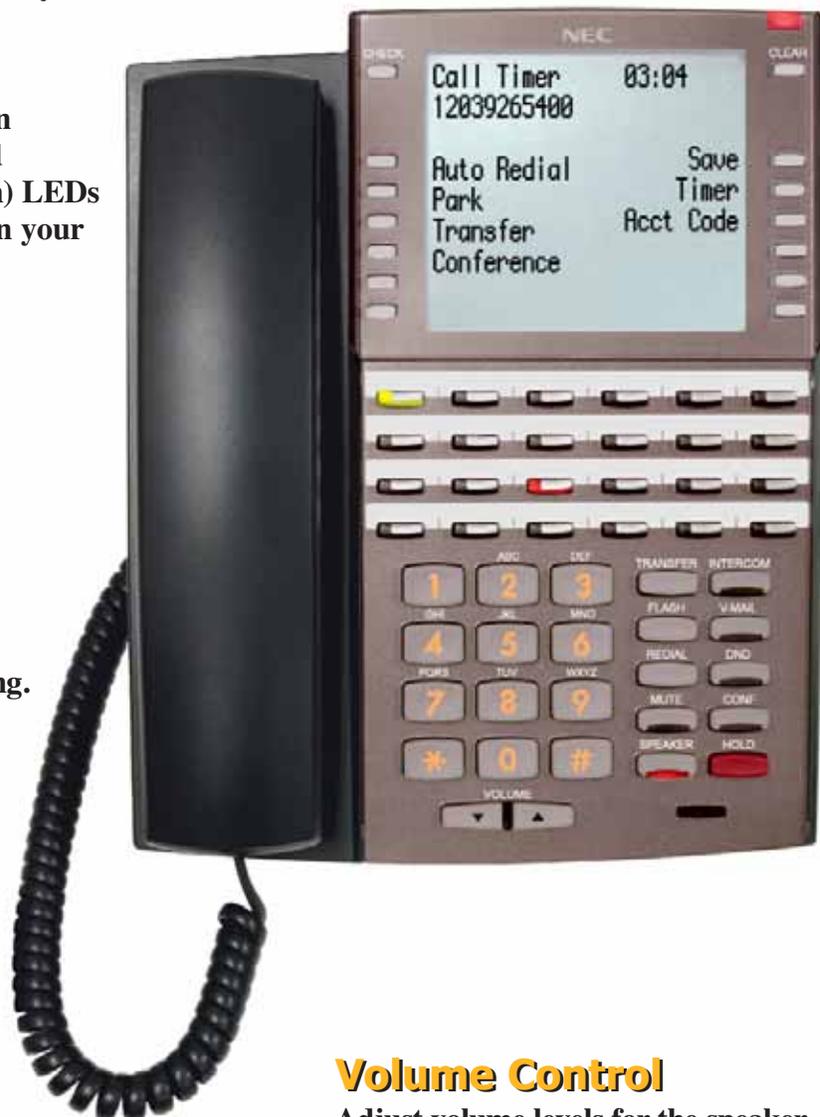
Built-in for hands-free operation.

Display Control

User adjustable contrast and brightness controls.

Message Waiting Indicator

High visibility message/ring indicator can easily be seen from anywhere in the room.



Volume Control

Adjust volume levels for the speaker, ringer, and handset/headset individually.

Cordless Telephone

The DSX Cordless phone offers many standard features of the wired telephone including 4 fully programmable Feature Keys with LEDs, and an easy-to-read display with the advantage of mobility.



DSX-80



DSX-40

DSX-160

22-Button Display

The 22-Button Display Telephone offers a large display and a built-in speakerphone – making this the most economical option without sacrificing convenience.



34-Button Display

The 34-Button Display Telephone offers additional programmable keys and is enhanced with a backlit display and illuminated dial pad. It is ideal for a stand-alone application or as an answering position (as pictured below).



DSS Console

The DSS Console provides 60 dual color programmable keys for one-button access to extensions, lines, and selected system features.

34-Button Super Display

The 34-Button Super Display Telephone has all the features of the 34-Button Display and offers our largest, most interactive display for advanced users and busy executives.



** DSX telephones and consoles are available in black or white. Cordless available in black only.*

DSX

Put Our Technology to Work for You . . .

IntraMail . . .

The ability to add voice mail is built into the system and only requires an IntraMail compact flash card to activate. IntraMail is a full-featured Voice Mail Auto Attendant system that will transfer incoming callers and record Voice Mail messages.



- **Department Calling** - Eliminate or minimize the need for an operator or receptionist. IntraMail automatically answers incoming calls and provides callers a wide variety of dialing options (i.e., press 1 for Sales, press 2 for Service). Each user can then assign unique ring tones to help differentiate between these incoming calls.
- **Message Center Key** - To ensure that important messages are delivered and responded to quickly and efficiently, a group of co-workers can share voice message responsibilities. Messages can be left in a designated mailbox. Each group member will have an assigned key associated with that mailbox which will flash when a new message has been received.
- **Directory Dialing** - Ease callers through the call routing process. IntraMail provides the ability to have multiple company and personal greetings and the capability to reach an employee's extension by entering their name instead of extension number.
- **Message on Hold** - Use time spent on hold as a company advantage. IntraMail lets the System Administrator record an informative message that will play to callers while they wait.
- **Conversation Record** - For detail accuracy while on an important call, record the conversation into any mailbox for later review. You can also send your recorded conversation to a co-worker.
- **Message Notification** - Eliminate the need to call the office to check for new messages. IntraMail can automatically call a designated telephone number (such as a cell phone) to let the user know when new messages arrive. This feature can also be used to enhance a Service/Dispatch Center.

- **Call Screening** - Listen to (screen) a voice mail message as it is being left in your mailbox. Choose the option to let the call go through to the mailbox or take that important call.
- **Fax Detection** - Automated Attendant can automatically detect incoming fax calls and transfer them to a fax machine, maximizing the use of your telephone lines.

Built-in Caller ID . . .

Caller ID (CID) capability is built into every DSX system. With CID, 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 each outside call that rings an extension. This allows the user to easily review, save and redial their received calls.
- **Checking** - A manager can have the capability to view CID information associated with a co-worker's line or extension.
- **With Return Call** - Easily return a call without manually re-entering the caller's number. After listening to a voice message, IntraMail can verbally provide calling number information along with the voice message.
- **To Analog Ports** - To enhance convenience and flexibility, DSX can send CID information for external and intercom calls to analog single line ports for use with customer-provided CID accessories.

System Programming . . .

- **System Administration** - Program changes to the system are easy to make from the telephone or a PC connected to the system's USB or Ethernet port. In addition, your installer can make these changes remotely through the Ethernet port or an optional built-in modem.

Models					
Features	22-Button 1090020 (Black) 1090025 (White)	34-Button 1090021 (Black) 1090026 (White)	34-Super 1090023 (Black) 1090028 (White)	DSS 1090024 (Black) 1090029 (White)	Cordless 730087 (Black)
Programmable Keys	12	24	24	60	4
One Touch Keys	10	10	0	0	0
Fixed Function Keys	12	12	12	3	8
Soft Keys	4	4	12	0	0
LCD Display	3 x 24	3 x 24	9 x 24	-	2 x 16
Speakerphone	Yes	Yes	Yes	-	No
Backlit Display	No	Yes	Yes	-	No
Illuminated Dial Pad	No	Yes	Yes	-	No
Headset Jack	Yes RJ-10	Yes RJ-10	Yes RJ-10	-	Yes 2.5mm
Colors	Black or White	Black or White	Black or White	Black or White	Black

DSX Connectivity

DSX-80



DSX-40

IntraMail/Compact Flash Utility Slot

Built-in USB and Ethernet Ports for local and remote programming

Digital Station Ports

Digital or Analog Station Ports

Analog Station Ports

Door Box Ports

Line Ports

RS-232 Serial Port

Music on Hold, Background Music, and External Page Ports

DSX Specifications and Features



Specifications¹

DSX-40	Base	Max ¹
Digital Stations	8	24
Analog Stations	2	18
Lines	4	8
Door Box Ports	2	2

DSX-80

Slots		4
Digital Stations		32
Analog Stations		32
Lines		64

DSX-160

Slots		8
Digital Stations		96
Analog Stations		96
Lines		64

IntraMail

Voice Mail Ports	4 or 8
Storage Hours	8 or 16
Mailboxes (DSX-40)	66
Mailboxes (DSX-80/160)	160

General

One Pair Wiring
 USB 2.0 Compatible (Full Speed)
 Ethernet Auto Sensing Port
 RS-232 Serial Port

DSX Features

2-Position Telephone Angle Adjustment
 Account Codes
 Alphanumeric Display
 Attendant Call Queuing
 Attendant Position
 Auto Redial
 Auto Attendant (Built-in)
 Automatic Day Light 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
 Call Forwarding Off Premises
 Call Timer
 Call Waiting / Camp-On
 Callback
 Caller ID
 Caller ID Logging (CID with Return Call)
 Caller ID to Single Line Telephones
 Class of Service
 Conference (up to 8-parties)
 Conference, Meet-Me
 Conference, Unsupervised
 Cordless Telephone
 Delayed Ringing

Dial Number Preview
 Dial Tone Detection
 Direct Inward Dialing (with ANI/DNIS)²
 Direct Station Selection (DSS)
 Direct Station Selection (DSS) Console
 Directed Call Pickup
 Directory Dialing (Company, Personal, Ext.)
 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)
 Hotline
 Illuminated Dial Pad (selected models)
 Interactive Soft Keys
 Intercom
 ISDN/PRI
 Language Selection
 Last Number Redial
 Line Groups
 Line Keys
 Line Queuing / Callback
 Loop Keys
 Meet-me Conference
 Message Waiting
 Microphone Mute
 Monitor / Silent Monitor
 Music on Hold
 Names for Extensions and Lines
 Night Service / Night Ring
 Off-Hook Signaling
 Paging (Internal and External)
 Park (with Recall Display)
 PBX / Centrex Compatibility
 PC Program (System Administrator)
 Prime Line Preference
 Privacy
 Privacy Release Groups
 Private Line
 PRI/ISDN
 Pulse to Tone Conversion
 Regional Defaults
 Remote Programming
 Removing Lines and Extensions From Service
 Reverse Voice Over
 Ring Groups
 Ring/Message Lamp
 Ringdown Extension

Ring Line Preference
 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 Lines²
 Tie Lines²
 Time and Date
 Toll Restriction
 Transfer (with Recall Display)
 User Programmable Features
 Voice Mail
 Voice Over
 Volume and Contrast Controls
 Walking Class of Service
 Wall Mount/Desk Stand (Built-in)

IntraMail Voice Mail Integration Features

Answering Machine Emulation/Call Screen
 Auto Time and Date Stamp
 Automated Attendant
 Caller ID with Return Call
 Centrex Transfer
 Conversation Record
 Directory Dialing
 External Transfer
 Fax Detection
 Flexible Answering Schedules
 Interactive Soft Keys
 Message Center Mailbox
 Message Notification
 Message on Hold
 Multiple Company Greeting (8)
 Number of Messages Displayed
 Personal Greeting (3)
 Remote Message Notification
 Security Code
 Single Digit Dialing
 System Administrator
 Voice Mail Overflow
 Voice Prompting Messages
 Volume Control

¹ Capacities listed are system maximums and may be limited by system configuration.

² DSX-80/160 only.

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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, or call 800-365-1928.

Empowered by Innovation

NEC