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

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

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

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.

Quick access to commonly used features.

Adjustable two-position desk stand.

Built-in for low-profile wall mounting.

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

Built-in for hands-free operation.

User adjustable contrast and brightness controls.

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.

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).

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.

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

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

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
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.

Specifications and Features

<table>
<thead>
<tr>
<th>Specifications</th>
<th>DSX-40</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Stations</td>
<td>8</td>
<td>24</td>
</tr>
<tr>
<td>Analog Stations</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>Lines</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Door Box Ports</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>DSX-80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slots</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Digital Stations</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Analog Stations</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Lines</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>DSX-160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slots</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Digital Stations</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Analog Stations</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Lines</td>
<td>64</td>
<td></td>
</tr>
</tbody>
</table>

**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)
- 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
- Ringing 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 Lines
- Tie Lines
- 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.

©NEC Unified Solutions, Inc. 06/06
6555 N. State Hwy 161, Irving, Texas 75039
DSX is a trademark of NEC Infrontia Corporation.
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.

Empowered by Innovation

Printed in U.S.A.