

**NEC**

# DS1000/2000



**The  
STANDARD  
For  
COMMUNICATIONS**

# DS1000/2000 Simplicity, I

## All New System Architecture Built for the 21<sup>st</sup> Century.

NEC's legendary reliability and quality standards are evident in the innovative DS1000/2000 32-bit architecture. This new concept features Digital Signal Processor (DSP) technology, on-board flash memory and field software upgradeability that means you can grow the system as you grow your business – while keeping your initial installation investment in common equipment intact.

The compact DS1000 starts with 3 lines, 8 stations and 4 analog ports. It expands to 6 lines, 16 stations and 8 analog ports just by plugging in a single expansion board. The basic DS2000 system is available with 4 slots and 64 ports. It is easily expandable to 8 slots and 112 ports by upgrading to a 8 slot cabinet.

All this new technology does not come at the expense of easy installation! Easily wall-mountable cabinets and simplified one-pair wiring mean your initial installation and future add-ons can be quick and economical.

Small system owners will appreciate the convenience of built-in features such as Caller ID to identify incoming callers even before the call is answered. Caller ID logging lets you keep a record of incoming calls, Make Call makes it easy to call them back, and Caller ID Check lets you check the calling number of a call answered by another telephone even while that call is in progress. The DS1000 includes built-in interfaces for industry standard telephones which can include cordless instruments as well as Caller ID phones. Plus the DS1000 has a built-in interface for a door answer box.

Larger firms have a bevy of workgroup features from which to choose, such as Call Coverage on any phone, Extension Hunting, Group Call Pickup and Multi-party Conference. Caller ID Groups lets different departments keep a record of calls in a Caller ID Log reserved for that department. As the demands on the phone system increase, DS1000/2000 is right there with advanced features like full IntraMail Voice Mail Integration (highlighted by flexible "Soft" keys, Conversation Record and Answering Machine Emulation.)

## Integrated Voice Mail Helps Increase Productivity and Savings

The DS family of products offers an integrated voice mail system called **IntraMail** in two different models: a 4 port/4 hour system; or an 8 port/8 hour system. Both systems can have up to 160 mailboxes and offer Interactive "Soft" Keys on display telephones.

**IntraMail** has features such as Automated Attendant, which helps incoming calls get answered and routed quickly and efficiently, and Fax Detection, which maximizes use of your telephone lines. Conversation Record lets you record a conversation when you can't take notes fast enough. Answering Machine Emulation lets you screen calls to filter out unimportant calls before you answer. Caller ID with Return Call lets you call back the person that left you a voice mail as easily as pressing one key.

The DS2000 with T1 capability lets you take advantage of the cost savings often available when using a T1 digital transmission connection from your serving telephone company. It can also give you the flexibility of Direct Inward Dialing (DID) or E&M Tie Line signaling.

The DS family has just added the time-saving convenience of PC programming. This feature can save time and money because you can perform system programming remotely through an external modem. The systems continue to have phone programming so Moves, Adds and Changes can be handled quickly.

# Elegance and Reliability

## A family of telephones that sets the new standard in office communications

- All models offer 10 One-Touch Keys, Dual LEDs, Voice Over and built-in Speakerphone.
- All 2-line display models feature 4 Interactive Soft Keys for intuitive, automated feature operation.
- 34-button sets are available with optional 24- or 110-Button DSS.



**34-Button Display  
With 110-Button DSS**



**34-Button Super Display  
With 24-Button DSS**



**22-Button Standard**



**22-Button Display**

## Specifications and Features

### Specifications

<b>DS1000</b>	<u>Base</u>	<u>Exp.</u>
Digital Stations (max.)	8	16
Analog Stations (max.)	4	8
Trunks (max.)	3	6
Analog Door Boxes	1	2
Door Box/Page Relays	1	2
One Pair Wiring		

<b>DS2000</b>	<u>4-Slot</u>	<u>8-Slot</u>
Ports (max.)	64	112
Digital Stations (max.)	32	96
Analog Stations (max.)	24	56
Trunks (max.)	56	64
Page Relay	1	1
One Pair Wiring		

### System Features

Account Codes  
 Alternate Attendant  
 Attendant Call Queuing  
 Attendant Position  
 Automatic Ring Down  
 Battery Backed-up Memory  
 Caller ID (with logging)  
 Delayed Ringing  
 Dial Number Preview  
 Dial Tone Detection  
 Direct Inward Line (DIL)  
 Door Box (Analog<sup>1</sup>)  
 Extended Ringing  
 Extension Hunting (UCD, Circular and Terminal)  
 External Alerting Devices  
 Flexible Numbering Plan  
 Group Ring  
 ISO 9002 Approved Manufacture  
 Modem Cut-Through<sup>1</sup>  
 Music On Hold  
 Names for Extensions and Trunks  
 Night Service / Night Ring / Night Answer  
 Non-Blocking Architecture  
 Off-Premise Extension  
 PBX / Centrex Compatibility  
 PC Programming - Local / Remote  
 Ring Groups  
 Single Line Telephones / 2-OPX Modules  
 Special Services and OCC Compatibility  
 Station Message Detail Recording

Station Overflow  
 System Diagnostics  
 System Identification  
 System Programming Password Protection  
 System Timers  
 T1 Interface<sup>2</sup>  
 Time and Date  
 Toll Restriction  
 Trunk Groups / Rotaries  
 Universal Night Answer  
 Voice Mail Compatibility

### Station Features

Alphanumeric Display  
 Automatic Answer  
 Automatic Handsfree  
 Background Music  
 Barge In (Intrusion)  
 Call Coverage Keys  
 Call Forwarding  
 Call Forwarding Cancel  
 Call Timer  
 Call Waiting / Camp-On  
 Callback  
 Central Office Calls, Answering  
 Central Office Calls, Placing  
 Centrex Compatible Feature Keys  
 Class of Service  
 Conference  
 Direct Station Selection (DSS)  
 Direct Station Selection (DSS) Console  
 Direct Trunk Access  
 Directed Call Pickup  
 Directory Dialing (Company, Personal and Extension)  
 Distinctive Ringing, Enhanced  
 Do Not Disturb  
 Flash  
 Forced Trunk Disconnect  
 Group Call Pickup  
 Group Listen  
 Handsfree, Handsfree Answerback and Monitor  
 Headset Compatibility  
 Hold (with Recall Display)  
 Hotline  
 Intercept of Calls  
 Intercom  
 Key Ring  
 Last Number Redial  
 Line Keys  
 Loop Keys  
 Meet-Me Conference

Message Waiting  
 Microphone Mute  
 Off-Hook Signaling  
 One-Touch Keys  
 Paging  
 Park (with Recall Display)  
 Prime Line Preference  
 Privacy and Privacy Release  
 Private Line  
 Programmable Function Keys  
 Pulse to Tone Conversion  
 Release Key  
 Removing Trunks and Extensions From Service  
 Reverse Voice Over  
 Ringdown Extension  
 Ringing Line Preference  
 Save Number Dialed  
 Selectable Display Messaging  
 Silent Monitor  
 Soft Keys  
 Speed Dial  
 Split (Alternate)  
 Tandem Trunking / Unsupervised Conference  
 Transfer (with Recall Display)  
 Transfer, Handsfree  
 Trunk Group Routing  
 Trunk (Line) Queuing  
 User Programmable Features  
 Voice Over  
 Volume and Contrast Controls

### IntraMail Voice Mail Integration Features

Answering Machine Emulation  
 Automated Attendant  
 Automatic Call Routing to Mailbox  
 Call Forward to Mailbox  
 Caller ID with Return Call  
 Conversation Record  
 Fax Detection  
 Flexible Answering Schedules  
 Interactive "Soft" Keys  
 Multiple Company Greetings  
 Number of Messages Displayed  
 One-Touch Mailbox Access

<sup>1</sup> DS1000 Only

<sup>2</sup> DS2000 Only

Some features may be optional, not applicable to all systems or require additional equipment. Some federal and state laws require notification or require consent from all parties prior to recording a telephone conversation. The information contained herein is subject to change without notice at the sole discretion of NEC America. All trademarks are property of their respective owners.

To find out more about the DS family of products and how NEC's powerful and versatile technology platforms can work for you, visit our web site at [www.cng.nec.com](http://www.cng.nec.com) or call 800-365-1928.

Empowered by Innovation

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©NEC America, Inc. rev. 4/03  
 Corporate Networks Group  
 4 Forest Parkway, Shelton, CT 06484  
 Tel: 800-365-1928 Fax: 203-926-5458



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