

NEC

DS1000/2000



**The
STANDARD
For
COMMUNICATIONS**

DS1000/2000 Simplicity, I

All New System Architecture Built for the 21st 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

DS1000	Base	Exp.
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		

DS2000	4-Slot	8-Slot
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 (Analog¹)
 Extended Ringing
 Extension Hunting (UCD, Circular and Terminal)
 External Alerting Devices
 Flexible Numbering Plan
 Group Ring
 ISO 9002 Approved Manufacture
 Modem Cut-Through¹
 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 Interface²
 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

¹ DS1000 Only

² 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 or call 800-365-1928.

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