

NEC

i-Series



Powerful office communications.

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i-Series



The i-Series ISDN compatible office communication systems from NEC are ready today to meet the challenges of tomorrow. Unique multiple-processor architecture, enhanced with Digital Signal Processor (DSP) technology, provides a solid yet flexible foundation for reliability, adaptability and performance. With the ability for extensions to have three 64K channels, the i-Series is poised to integrate with the growing worldwide voice and data network.

The unparalleled power and flexibility built into each system are further enhanced by the i-Series generation of telephones. These telephones offer interactive Soft Keys, built-in Speakerphone, and an integrated wall/desk stand. In addition, i-Series telephones can accept optional snap-in modules: a DCI-L Analog Module (to directly connect modems, cordless telephones, single line sets or fax machines), a Data Module (for CTI applications), or an Off-Hook Voice Announce Module.

The i-Series is built in our ISO 9002 approved manufacturing facilities to uphold the legendary NEC reliability standards. Port-based design, single pair wiring and modular components allow for easy expansion. Perfect for the small growing office, 28i has 28 ports and provides up to a maximum of 16 trunks or 20 extensions. The 124i can grow to a 124 port, 52 trunk by 72 station full-featured system. The 704i can expand to a 512 hardware port, 192 trunk by 512 station communications network.



SAVE-MENU
ALARM
CALL FWD
DND
INTERCOM ANSWER
CALL FWD DEV
ABB DIAL
FCTN KEY
ONE TOUCH
[+]

MW
1
2
3
4
5
6
7
8
9
*

DIAL
CALL 1
CALL 2
LND
MIC
SPK
DND
HOLD

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The i-Series offers an expansive set of features, easily tailored for every user, that are powerful enough to meet the new millennium's most demanding application challenges.

- ISDN BRI and PRI compatibility
 - Multiple T1 capability
 - Built-in Automatic Call Distribution (ACD) to equally distribute the work load among member agents:
 - Call Queuing with programmable Overflow Announcements
 - System and Group Supervisors
 - Automatic agent Rest Mode and Work Time
 - Flexible group scheduling
 - Optional PC-based Supervisor with Reports
 - Caller ID for advance identification of your incoming caller
 - With NVM-Series, the industry's finest integrated Voice Mail:
 - Return Call with Caller ID
 - Answering Machine Emulation
 - Message Center Keys
 - Conversation Record
 - Park and Page
 - One touch mailbox access, Transfer and Call Forwarding
 - Windows®-based PC Attendant Console Position
 - Intersystem networking
 - Interactive two- and eight-line Digital Display Telephones
 - TAPI compatibility puts i-Series on the cutting edge of today's CTI and office automation
 - Platform for wireless technology using the 900i or Traveler telephones
 - Automatic Route Selection lets you tailor call routing to your own needs, and easily modify the routing as services change
 - Open Architecture Interface (OAI) for third party application development
 - Repeat Dialing of busy numbers
 - Dual red/green LEDs on all multi-button telephones
 - Analog and Digital Single Line Telephones for PBX-type operation
 - One-button access to most commonly used features
 - Voice Over and Reverse Voice Over for discrete announcing of critical information
 - Built-in Hotel/Motel feature package with optional NVM-Series and PMS Integration
 - Windows®-based PC Programming software
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Super Display

34-button set with eight-line display and speakerphone.



Three-Channel Capability

Talk on a handset call, receive a voice announcement and have an active data call — all at the same time.

Wall/Desk Stand

Each telephone has a built-in Wall/Desk Stand.

Interactive Display

Eight-line, twenty character display with associated soft keys.

Interactive Soft Keys change to provide intuitive feature access.

24 Programmable Function Keys

User-programmable for one-button access to co-workers, features and outside lines.

14 Fixed Feature Keys

Quick access to commonly used features.

Speakerphone

Built-in speakerphone for handsfree operation.

DCI-L Analog Module

Optional snap-in Analog Module for connecting modems, cordless telephones, single line sets and fax machines.

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There is an i-Series telephone or combination of telephones to meet all your telecommunication needs efficiently, totally and economically. The i-Series telephones can feature interactive Soft Keys, built-in Speakerphone and Wall/Desk Stand, and a choice of analog, data, and Off-Hook Voice Announce snap-in modules.



34-Button Super Display



Digital Single Line



28-Button Display

*24-Button
DSS Console*



34-Button Display

*110-Button
DSS Console*



Traveler



22-Button



28-Button



*22-Button
Display*



900i

Specifications and Features

Specifications

	28i	124i	704i
Physical Ports (max.)	28	124	704
Virtual Ports (max.)	24	24	256
Digital Stations (max.)	16	72	512
Analog Stations (max.)	8	70	374
Traveler Ports (max.)	-	192	608
Trunks (max.)	16	52	192
Data Ports (max.)	15	72	288
T1/PRI Circuits (max.)	-	2	8
Channel (max.)	-	48	192
BRI Circuits (max.)	4	24	96
Channels (max.)	8	48	192
One Pair Wiring			

System Features

Assigned Night Answer (ANA)
 Automated Attendant (Operator Assistance)
 Automated Call Distribution
 Automatic Night Transfer
 Automatic Number Identification (with Name Look Up)
 Automatic Route Selection
 Bridged Fax Line
 Caller ID (with Name Look Up)
 Data Interface
 Direct Inward Dialing (DID)
 Direct Inward Line (DIL)
 Direct Inward System Access
 E&M Tie Trunks
 External Alarm Sensors
 Flexible System Numbering
 Forced Account Codes
 Ground Start Trunks
 ISDN Compatible (PRI and BRI)
 Key, Hybrid and PABX Configuration
 Multiple Directory Numbers
 Multiple MOH Sources
 NANP Compatible
 Networking
 Night Service
 900 Preamble
 Open Architecture Interface
 OPX Capability
 PBX Compatibility
 PC Attendant Position
 PC Interface Card
 PC-Based ACD Supervisor
 Port Based Architecture
 Precise Tone Plan
 Remote Programming
 Station Message Detail Recording
 Station Lock
 Synchronous Data (64K)
 TAPI Compatible
 Three 64K Channels to Each Extension
 Toll Restriction
 Trunk Groups
 Universal Night Answer (UNA)
 Video Door Box
 Voice Prompting Messages
 Windows®-Based Programming

Some features may be optional, available at a future date or not applicable to all systems. The information contained herein is subject to change without notice at the sole discretion of NEC.

Station Features

Abandoned Call Display-ICM
 Abbreviated Dialing
 Alarm Display
 Alphanumeric Display
 Analog Port Snap-in Module
 Automatic Ringdown
 Background Music
 Barge In
 Call Back/Busy/No Answer
 Call Coverage Keys
 Call Forwarding
 Call Forwarding-Off Premise
 Call Forwarding Follow Me
 Call Timer
 Call Waiting/Camp On
 Classes of Service
 Conference
 Conversation Record
 Data Department Group
 Data Hot Line
 Data Port Snap-in Module
 Database Look Up
 Delayed Ringing
 Dial by Name
 Dial Number Preview
 Dial Pad Confirmation Tone
 Direct Station Selection (DSS), 110/24 Button
 Direct Trunk Access
 Directed Call Pickup
 Display Messaging
 Distinctive Ringing, Tone & Flash Patterns
 Do Not Disturb
 Door Chime Box
 Dual Color LEDs
 Dual Line Appearance
 Flash
 Forced Trunk Disconnect
 Group Call Pickup
 Group Hunt
 Group Listen
 Handsfree and Monitor
 Handsfree Answerback/Forced Intercom Ringing
 Headset (with control)
 Hold, Exclusive Hold
 Hotline
 Intercom
 Last Number Redial
 Line Preference
 Keypad-Initiated Data Call
 Loop Keys
 Macro Keys
 Meet Me Conference, Paging and Transfer
 Memo Dial
 Message Waiting
 Microphone Mute
 Off Hook Signaling
 Off Hook Voice Announce Snap-in Module
 Paging-External, Internal
 Park
 Prime Line Selection
 Private Line
 Programmable Function Keys
 Pulse to Tone Conversion
 Repeat Redial
 Reverse Voice Over

Room Monitor
 Save Number Dialed
 Secretary Call, Buzzer and Pickup
 Selectable Display Messaging
 Selectable Ring Tones
 Serial Call
 Silent Monitor
 Soft Keys, Interactive
 Speakerphone (Built-in)
 Speed Conversion
 Speed Dial
 Telemarketing Dial
 Terminal-Originated Data Call
 Terminal-Originated Voice Call (Telemarketing Dial)
 Time and Date Display
 Time, Date and Station Number Check
 Toll Restriction Override
 Transfer
 Trunk Queuing/Camp On
 Unsupervised Conference
 Voice Call Block
 Voice Over
 Volume Controls
 Wall/Desk Stand (Built-in)
 Warning Tone for Long Conversation

Hotel/Motel Features

Do Not Disturb
 DSS Console Monitoring
 Flexible Numbering Plan
 Message Waiting
 PMS Interface
 Room Status/Room Status Printouts
 Room to Room Call Restriction
 Single Digit Dialing
 Toll Restriction (When Checked In)
 Wake Up Call

Voice Mail (NVM-Series)

Integration Features

Automatic Call Routing to Mailbox
 Call Forward to Mailbox
 Conversation Record
 Desktop Messaging
 Fax-On-Demand
 Message Center
 Number of Messages Displayed
 One-Touch Forwarding
 One-Touch Mailbox Access
 One-Touch Message Retrieval
 Park and Page
 Personal Answering Machine Emulation
 Return Call (with Caller ID)
 Transfer to Mailbox

Voice Announce Unit (VAU)

Features

900 Preamble
 Automated Attendant (Operator Assistance)
 General Message
 Park and Page
 Personal Greetings
 Time, Date and Extension Number Check
 VAU Messages (16 max.)
 Voice Prompting Messages

communications **without** compromise.

NEC America, Inc., Corporate Networks Group
 4 Forest Parkway, Shelton, CT 06484
 Tel: 800-365-1928 Fax: 203-926-5458
cng.nec.com

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