

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 world-wide 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.



DND/SAVE+MENU

ALARM

CALL FWD

DND

INTERCOM ANSWER

CALL FWD DEV

ABB DIAL

FCTN KEY

ONE TOUCH

[+]

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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



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
Keyset-Originated 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.

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