

System Feature Capacity

	Item	Capacity
System	Absent Message—Extension	1 x 16 characters
	Absent Message—System	8 x 16 characters
	Call Park Zone	100
	Conference	3 – 8 parties per conference 72 parties total per KX-NS1000 PBX 32 parties total per legacy gateway
	COS	64
	DID/DDI Table	32 digits, 1000 entries
	Extension number	1 – 5 digits
	Extension Personal Identification Number (PIN)	10 digits, 1 entry/extension
	Host PBX Access Code	10 digits, 10 entries/trunk group
	Multiple Subscriber Number (MSN)	10 entries per ISDN-BRI port
	Number of Characters of Name	20
	Printing message	8
	Queuing Time Table	128
	Ring Tone Pattern Plan	8
	Simultaneous Programmers	• one manager programmer + 63 personal programmers • 64 personal programmers
	SMDR Call Storage	1000 calls
	Special Carrier Access Code	16 digits, 100 entries
	Tenant	32
	Time Service Holiday	24
	Verification Code	4 digits, 1000 entries
	Verification Code Personal Identification Number (PIN)	10 digits, 1000 entries
	Emergency Call	32 digits, 10 entries
	Hot Line	32 digits
	Key Pad Protocol Dial (ISDN Service Access)	32 digits
Personal Speed Dialling	32 digits, 100 entries/extern.	
Quick Dialling	8 digits, 4000 entries	
Redial	32 digits	
System Speed Dialling	32 digits, 1000 entries/tenant	
One-touch Dialling—PT	32 digits, 5000 entries/system	
One-touch Dialling—PS	32 digits, 1000 entries/system	
Groups	Conference Group	8 (8 members/group for Conference Group Mode, 32 members/group for Broadcast Mode)
	Call Pickup Group	96
	Idle Extension Hunting Group	128 (16 extensions/group)
	Incoming Call Distribution Group	128 (128 extensions/group)
	Paging Group	96
	PS Ring Group	32
	Trunk Group	96
	UM Group	1 group per PBX
	VM (DPT) Group	8 groups x 12 ports (24 channels)
	VM (DTMF) Group	8 groups x 32 channels
P2P Group	256	

Feature List

1. Call Handling Features

- Incoming Call Features**
- Incoming Trunk Call Features
 - Direct In Line (DIL)
 - Direct Inward Dialling (DID)/Direct Dialling In (DDI)
 - Multiple Subscriber Number (MSN) Ringing Service
 - Calling Line Identification (CLI) Distribution
 - Intercept Routing
 - Intercept Routing—No Destination
 - Internal Call Features
 - Internal Call Block
 - Incoming Call Indication Features
 - Ring Tone Pattern Selection
 - Call Waiting

Receiving Group Features

- Idle Extension Hunting
- Incoming Call Distribution Group Features
 - Group Call Distribution
 - Outside Destinations in Incoming Call Distribution Group
 - Queuing Feature
 - VIP Call
 - Overflow Feature
 - Log-in/Log-out
 - Supervisory Feature

Call Forwarding (FWD)/Do Not Disturb (DND) Features

- Call Forwarding (FWD)
- Do Not Disturb (DND)
- FWD/DND Button, Group FWD Button

Answering Features

- Line Preference—Incoming
- Call Pickup
- Hands-free Answerback

Making Call Features

- Predialling
- Automatic Extension Release
- Intercom Call
- Trunk Call Features
- Emergency Call
- Account Code Entry
- Dial Type Selection
- Reverse Circuit
- Trunk Busy Out
- Pause Insertion
- Host PBX Access Code (Access Code to the Telephone Company from a Host PBX)
- Special Carrier Access Code
- Seizing a Line Features
- Line Preference—Outgoing
- Trunk Access

Memory Dialling Features

- One-touch Dialling
- Last Number Redial
- Speed Dialling—Personal/System
- Quick Dialling
- Hot Line

Toll Restriction (TRS)/Call Barring (Barring) Features

- Toll Restriction (TRS)/Call Barring (Barring)
- Budget Management
- Extension Dial Lock
- Dial Tone Transfer
- Walking COS
- Verification Code Entry

Automatic Route Selection (ARS) Features

- Automatic Route Selection (ARS)
- Primary Directory Number (PDN)/Secondary Directory Number (SDN) Features
- Primary Directory Number (PDN)/Secondary Directory Number (SDN) Extension

Busy Line/Busy Party Features

- Automatic Callback Busy (Camp-on)
- Executive Busy Override
- Call Monitor
- Second Call Notification to Busy Extension
- Call Waiting Tone
- Off-hook Call Announcement (OHCA)
- Whisper OHCA

Conversation Features

- Hands-free Operation
- Off-hook Monitor
- Mute
- Headset Operation
- Data Line Security
- Flash/Recall/Terminate
- External Feature Access (EFA)
- Trunk Call Limitation
- Calling Party Control (CPC) Signal Detection

Transferring Features

- Call Transfer
- Holding Features
- Call Hold
- Call Park
- Call Splitting
- Music on Hold

Conference Features

- Conference
- Privacy Release
- Conference Group Call Features
- Conference Group Call

Direct Inward System Access (DISA) Features

- Direct Inward System Access (DISA)
- Automatic Fax Transfer

Paging Features

- Paging
- Trunk Answer From Any Station (TAFAS)

External Device Features

- Doorphone Call
- Door Open
- External Sensor
- External Relay Control

Caller ID Features

- Caller ID
- Incoming Call Log

Message Features

- Message Waiting
- Absent Message

Proprietary Telephone (PT) Hardware Features

- Fixed Buttons
- Flexible Buttons
- LED Indication
- Display Information

Administrative Information Features

- Record Log Features
- Station Message Detail Recording (SMDR)
- Syslog Record Management
- Printing Message
- Call Charge Services

Hospitality Features

- Room Status Control
- Call Billing for Guest Room

Extension Controlling Features

- Extension Personal Identification Number (PIN)
- Extension Feature Clear
- Walking Extension Features
- Walking Extension
- Enhanced Walking Extension
- Timed Reminder

Audible Tone Features

- Dial Tone
- Confirmation Tone

Computer Telephony Integration (CTI) Features

- Computer Telephony Integration (CTI)
- CA (Communication Assistant)

Cellular Phone Features

- Miscellaneous Features
- Background Music (BGM)
- Outgoing Message (OGM)

2. Unified Messaging System

Unified Messaging System Administration

- System Administration
- Custom Service Builder
- Default Mailbox Template
- Password Administration
- Caller ID Callback
- System Reports
- System Security
- Fax Server

System and Subscriber Features

- System Features
- Alternate Extension Group
- Message Transfer
- Personal Custom Service
- Personal Greetings
- Private Message
- Recover Message
- Remote Absent Message
- Remote Call Forwarding Set
- Send to Fax Machine
- Subscriber Tutorial
- Timed Reminder Setting
- Toll Saver
- Two-way Record/Two-way Transfer
- Urgent Message
- Voice Mail (VM) Transfer Button
- Web Programming
- Custom Service
- Dialling by Name
- Emergency Greeting
- Extension Group
- Fax Service
- Hold
- Holiday Service
- Hospitality Mode
- Intercept Routing to a Mailbox
- Intercom Paging
- Interview Service
- List All Names
- Logical Extension (All Calls Transfer to Mailbox)
- Message Reception Mode
- Message Waiting Notification—E-mail Device
- Message Waiting Notification—Lamp
- Message Waiting Notification Telephone Device
- Multilingual Service
- No DTMF Input Operation
- On Hold Announcement Menu
- Operator Service
- PIN Call Routing
- Play System Prompt After Personal Greeting
- Port Service
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- Service Group
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System and Subscriber Features

- System Features
- Alternate Extension Group
- Message Transfer
- Personal Custom Service
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Option List for KX-NS1000

Category	Model	Description	
Activation Key Codes ¹			
IP Trunk	KX-NSM102	2-Channel IP Trunk Activation Key	
	KX-NSM104	4-Channel IP Trunk Activation Key	
	KX-NSM108	8-Channel IP Trunk Activation Key	
	KX-NSM116	16-Channel IP Trunk Activation Key	
Networking	KX-NSN001	Activation Key for One-look Network	
	KX-NSN002	Activation Key for QSIG Network	
IP Telephone	KX-NSM005	Up to 50 IP Phone Capacity Activation Key	
	KX-NSM010	Up to 100 IP Phone Capacity Activation Key	
	KX-NSM030	Up to 300 IP Phone Capacity Activation Key	
	KX-NSM099	Up to System Limit IP Phone Capacity Activation Key	
	KX-NSM201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key	
	KX-NSM205	5-Channel IP Softphone/IP Proprietary Telephone Activation Key	
	KX-NSM210	10-Channel IP Softphone/IP Proprietary Telephone Activation Key	
	KX-NSM220	20-Channel IP Softphone/IP Proprietary Telephone Activation Key	
	KX-NSM501	1-Channel IP Proprietary Telephone Activation Key	
	KX-NSM505	5-Channel IP Proprietary Telephone Activation Key	
	KX-NSM510	10-Channel IP Proprietary Telephone Activation Key	
	KX-NSM520	20-Channel IP Proprietary Telephone Activation Key	
	KX-NSM701	1-Channel SIP Extension Activation Key	
	KX-NSM705	5-Channel SIP Extension Activation Key	
	KX-NSM710	10-Channel SIP Extension Activation Key	
	KX-NSM720	20-Channel SIP Extension Activation Key	
	Unified Messaging	KX-NSU001	Activation Key for Recording Time Expansion
		KX-NSU002	Activation Key for Two-way Recording Control
		KX-NSU003	Activation Key for Message Backup
		KX-NSU102	2-Channel Unified Messaging Activation Key
KX-NSU104		4-Channel Unified Messaging Activation Key	
KX-NSU201		Activation Key for Unified Messaging E-mail Notification for 1 User	
KX-NSU205		Activation Key for Unified Messaging E-mail Notification for 5 Users	
KX-NSU210		Activation Key for Unified Messaging E-mail Notification for 10 Users	
KX-NSU220		Activation Key for Unified Messaging E-mail Notification for 20 Users	
KX-NSU299		Activation Key for Unified Messaging E-mail Notification for All Users	
KX-NSU301		Activation Key for Two-way Recording for 1 User	
KX-NSU305		Activation Key for Two-way Recording for 5 Users	
KX-NSU310		Activation Key for Two-way Recording for 10 Users	
KX-NSU320		Activation Key for Two-way Recording for 20 Users	
KX-NSU399		Activation Key for Two-way Recording for All Users	
Cellular Phone Extension		KX-NSE101	Activation Key for Mobile Extension for 1 User
		KX-NSE105	Activation Key for Mobile Extension for 5 Users
		KX-NSE110	Activation Key for Mobile Extension for 10 Users
		KX-NSE120	Activation Key for Mobile Extension for 20 Users
Communication Assistant		KX-NSA201	Activation Key for CA PRO for 1 User
	KX-NSA205	Activation Key for CA PRO for 5 Users	
	KX-NSA210	Activation Key for CA PRO for 10 Users	
	KX-NSA240	Activation Key for CA PRO for 40 Users	
	KX-NSA249	Activation Key for CA PRO for 128 Users	
	KX-NSA301	Activation Key for CA ACD Monitor for 1 ICD Supervisor	
	KX-NSA401	Activation Key for CA Operator Console	
	KX-NSA901	Activation Key for CA Network Plug-in for 1 User	
	KX-NSA905	Activation Key for CA Network Plug-in for 5 Users	
	KX-NSA910	Activation Key for CA Network Plug-in for 10 Users	
	KX-NSA940	Activation Key for CA Network Plug-in for 40 Users	
	KX-NSA949	Activation Key for CA Network Plug-in for 128 Users	
	KX-NSA010	Activation Key for CA Thin Client Server Connection	
	KX-NSA020	Activation Key for Multiple CSTA Connection	
	KX-NSF101	Activation Key for CTI interface	
	Packaged Activation Keys	KX-NSP001	Standard Activation Key Package (E-mail/Two-way Recording) for 1 User
KX-NSP005		Standard Activation Key Package (E-mail/Two-way Recording) for 5 Users	
KX-NSP010		Standard Activation Key Package (E-mail/Two-way Recording) for 10 Users	
KX-NSP020		Standard Activation Key Package (E-mail/Two-way Recording) for 20 Users	
KX-NSP101		Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 1 User	
KX-NSP105		Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 5 Users	
KX-NSP110		Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 10 Users	
KX-NSP120		Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 20 Users	
KX-NSP201		Mobile Activation Key Package (E-mail/Mobile) for 1 User	
KX-NSP205		Mobile Activation Key Package (E-mail/Mobile) for 5 Users	
KX-NSP210		Mobile Activation Key Package (E-mail/Mobile) for 10 Users	
KX-NSP220		Mobile Activation Key Package (E-mail/Mobile) for 20 Users	

Category	Model	Description
Physical Cards		
DSP Card Slot	KX-NS0110	VoIP DSP Card (S Type)
	KX-NS0111	VoIP DSP Card (M Type)
	KX-NS0112	VoIP DSP Card (L Type)
Storage Memory Card Slot	KX-NS0135	Storage Memory (S Type)
	KX-NS0136	Storage Memory (M Type)
	KX-NS0137	Storage Memory (L Type)
Free Slot	KX-NS0180	2-Port Analogue Trunk / 2-Port SLT Card
	KX-NS0280	4-Port BRI / 2-Port SLT Card
	KX-NS0290CE	PRI30 / 2-Port SLT Card
	KX-NS0290	PRI23 / 2-Port SLT Card
	KX-NS0130	Stacking Master Card
FAX Card Slot	KX-NS0106	FAX Interface Card
Doorphone Slot	KX-NS0161	Doorphone Interface Card

¹ Note that the types of activation keys are subject to change without notice.

Compatible Panasonic Cell Stations/Doorphones/Telephones/Adaptors

The KX-NS1000 supports the following equipment:

Cell Stations

- DECT 8 Channel IP Cell Station Unit (KX-NCP0158CE) Using a V-IPCS4 Card for DECT Portable Station
- DECT Cell Station Unit (KX-UDS124) Using a V-UTEXT32 Card for DECT Portable Station (SIP)

Doorphones

- Doorphone (KX-T30865, KX-T7765)

Telephones

- Panasonic Proprietary Telephones
- IP proprietary telephones (e.g., KX-NT500 series, KX-NT300 series)
- IP softphones (e.g., KX-NC58100)
- Portable stations (e.g., KX-TCA364, KX-WT115)
- SIP Phones
- SIP phones (e.g., KX-UT670, KX-UT248, KX-UT136)
- SIP Portable Stations (KX-UDT131, KX-UDT121, KX-UDT111)
- IP conferencing phones (e.g., KX-NT700)
- Third party SIP phones (SIP hardphones/SIP softphones)
- Other
- Single line telephones

Adaptors

- E1 Trunk Adaptor (KX-NS8188X)
- PRI Adaptor (KX-NS8290CE, KX-NS8290X)

Incompatible Panasonic Telephones

The KX-NS1000 does not support the following Panasonic proprietary telephones:

- Analogue proprietary telephones
- Digital proprietary telephones
- DSS consoles (e.g., KX-DT390)
- KX-NT136/NT400 IP proprietary telephone
- KX-HGT100 SIP telephone

Note

Some models will be exported to limited regions. Please contact our dealer and confirm the availability of specific models in your region.

Option List for Legacy Gateways

Category	Model	Description	Legacy Gateway			
			KX-NCP500/1000	KX-TDE600/620, KX-TDA600/620	KX-TDE100/200, KX-TDA100/200	
Legacy Gateway Cards	KX-NS0131	Stacking Card for KX-NCP Series	●	-	-	
	KX-NS0132	Stacking Card for KX-TDE/TDA Series	-	●	●	
Physical Trunk Cards	KX-NCP1180	4-Port Analogue Trunk Card	●	-	-	
	KX-NCP1187	T1 Trunk Card	●	-	-	
	KX-NCP1188	E1 Trunk Card	●	-	-	
	KX-NCP1280	2-Port BRI Card	●	-	-	
	KX-NCP1290	PRI Card	●	-	-	
	KX-TDA0180	8-Port Analogue Trunk Card	-	-	●	
	KX-TDA0181	16-Port Analogue Trunk Card	-	-	●	
	KX-TDA0182	8-Port DID Card	-	●	●	
	KX-TDA0183	4-Port Analogue Trunk Card	-	-	●	
	KX-TDA0184	8-Port E & M Trunk Card	-	●	●	
	KX-TDA0187	T1 Trunk Card	-	●	●	
	KX-TDA0188	E1 Trunk Card	-	●	●	
	KX-TDA0284	4-Port BRI Card	-	●	●	
	KX-TDA0288	8-Port BRI Card	-	●	●	
	KX-TDA0290	PRI Card	-	●	●	
	KX-TDA6181	16-Port Analogue Trunk Card	-	●	-	
	Physical Extension Cards	KX-NCP1170	4-Port Digital Hybrid Extension Card	●	-	-
		KX-NCP1171	8-Port Digital Extension Card	●	-	-
		KX-NCP1172	16-Port Digital Extension Card	●	-	-
		KX-NCP1173	8-Port Single Line Telephone Extension Card	●	-	-
KX-NCP1174		16-Port Single Line Telephone Extension Card	●	-	-	
KX-TDA0143		4 Cell Station Interface Card	-	●	●	
KX-TDA0144		8 Cell Station Interface Card	-	●	●	
KX-TDA0170		8-Port Digital Hybrid Extension Card	-	●	●	
KX-TDA0171		8-Port Digital Extension Card	-	●	●	
KX-TDA0172		16-Port Digital Extension Card	-	●	●	
KX-TDA0173		8-Port Single Line Telephone Extension Card	-	●	●	
KX-TDA0174		16-Port Single Line Telephone Extension Card	-	-	●	
KX-TDA0175		16-Port Single Line Telephone Extension with Message Lamp Card	-	-	●	
KX-TDA0177		16-Port Single Line Telephone Extension Card with Caller ID	-	●	●	
KX-TDA6174		16-Port Single Line Telephone Extension Card	-	●	-	
KX-TDA6175		16-Port Single Line Telephone Extension with Message Lamp Card	-	●	-	
KX-TDA6178	24-Port Single Line Telephone Extension Card with Caller ID	-	●	-		
Other Physical Cards	KX-NCP1190	Optional 3-Slot Base Card	●	-	-	
	KX-TDA0161	4-Port Doorphone Card	●	●	●	
	KX-TDA0162	2-Port Doorphone Card (German Type)	●	●	●	
	KX-TDA0164	4-Port External Input/Output Card	●	●	●	
	KX-TDA0166	16-Channel Echo Canceller Card	●	-	●	
	KX-TDA0168	Extension Caller ID Card	-	●	●	
	KX-TDA0189	8-Port Caller ID/Pay Tone Card	-	●	●	
	KX-TDA0190	Optional 3-Slot Base Card	-	●	●	
	KX-TDA0193	8-Port Caller ID Card	-	●	●	
	KX-TDA6166	16-Channel Echo Canceller Card	-	●	-	

Unsupported System Components for Legacy Gateways

Following cards are not supported for legacy gateways.

- KX-NCP1104 (4-Channel VoIP DSP Card)
- KX-TDA0105 (Memory Expansion Card)
- KX-TDA0191 (4-Channel Message Card)
- KX-TDA0192 (2-Channel Simplified Voice Message Card)
- KX-TDA0194 (4-Channel Simplified Voice Message Card)
- KX-TDA0196 (Remote Card)
- KX-TDA0410 (CTI Link Card)
- KX-TDA0470 (16-Channel VoIP Extension Card)
- KX-TDA0480 (4-Channel VoIP Gateway Card)
- KX-TDA0484 (4-Channel VoIP Gateway Card)
- KX-TDA0490 (16-Channel VoIP Gateway Card)
- KX-TDA1176 (16-Port Single Line Telephone Extension with Caller ID and Message Lamp Card)
- KX-TDA1178 (24-Port Single Line Telephone Extension with Caller ID and Message Lamp Card)
- KX-TDA1180 (8-Port Analogue Trunk Card with CID)
- KX-TDA1186 (8-Port Analogue Trunk with Caller ID Daughter Card)
- KX-TDE0105 (Memory Expansion Card)
- KX-TDE0110 (16-Channel VoIP DSP Card)
- KX-TDE0111 (64-Channel VoIP DSP Card)

Compatible Panasonic Cell Stations/Telephones/Voice Processing System

If a legacy gateway is connected to a KX-NS1000, the following equipment is also supported.

Cell Stations

DECT

- 2-Channel Cell Station Unit (KX-TDA0141CE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station
- 4-Channel Cell Station Unit (KX-TDA0142CE) Using a CSIF Card for DECT Portable Station
- 2-Channel Cell Station Unit (KX-TDA0155CE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station
- 2-Channel Cell Station Unit (KX-TDA0155LA) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station
- 4-Channel Cell Station Unit (KX-TDA0156CE) Using a CSIF Card for DECT Portable Station *Not supported for KX-NCP series.
- 8-Channel High-density Cell Station Unit (KX-TDA0158CE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station

2.4 GHz CS

- 2-Channel Cell Station Unit (KX-TDA0141) Using a DHLC/DLC Card (PT-interface CS) for 2.4 GHz Portable Station
- 3-Channel Cell Station Unit (KX-TDA0142) Using a CSIF Card for 2.4 GHz Portable Station
- 2-Channel Cell Station Unit (KX-TDA0151) Using a DHLC/DLC Card (PT-interface CS) for 2.4 GHz Portable Station
- 3-Channel Cell Station Unit (KX-TDA0152) Using a CSIF Card for 2.4 GHz Portable Station

Telephones

- Panasonic Proprietary Telephones
- Digital Proprietary Telephone (e.g., KX-DT300 series, KX-T7400 series, KX-T7500 series, and KX-T7600 series)
- Portable Station (e.g., KX-TD7600 series)
- DSS Console (e.g., KX-DT390)
- Analogue Proprietary Telephone (e.g., KX-T7700 series)

Voice Processing System

- Voice Processing System (e.g., KX-TVM series)

Incompatible Panasonic Telephones

The following Panasonic proprietary telephones are not available even if a legacy gateway is connected:

- KX-HGT100 SIP telephone
- KX-NT400 IP proprietary telephone
- KX-TDA0300 PC Console
- KX-T7000 series proprietary telephone
- KX-T7200 series proprietary telephone
- KX-T7300 series proprietary telephone

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