# **System Feature Capacity**

	ltem	Capacity		ltem	Capacity
	Absent Message—Extension	1 x 16 characters		TRS/Barring Level	7
	Absent Message—System	8 x 16 characters	TRS/Barring	TRS/Barring Denied Code	16 digits, 100 entries/level
	Call Park Zone	100		TRS/Barring Exception Code	16 digits, 100 entries/level
		3 – 8 parties per conference		Routing Plan Table	48 entries
	Conference	72 parties total per KX-NS1000 PBX		Leading Number Table	16 digits, 1000 entries
		32 parties total per legacy gateway		Leading Number Exception Table	16 digits, 200 entries
	COS	64	ARS	ARS Carrier	48
	DID/DDI Table	32 digits, 1000 entries		Itemised Billing Code	10 digits
	Extension number	1 – 5 digits		Authorisation Code for Tenant	16 digits
	Extension Personal Identification Number (PIN)	10 digits, 1 entry/extension		Authorisation Code for Trunk Group	10 digits
	Host PBX Access Code	10 digits, 10 entries/trunk group		Outgoing Call Log—PT	100 records/extn.
ustom	Multiple Subscriber Number (MSN)	10 entries per ISDN-BRI port		Outgoing Call Log—P1	5000 records/system
System	Number of Characters of Name	20		Outgoing Call Log—PS	100 records/extn.
	Printing message	8		Outgoing Can Log—rs	2560 records/system
	Queuing Time Table	128	Call Log and Message	Incoming Call Log—PT	100 records/extn.
	Ring Tone Pattern Plan	8	Waiting	Illicollillig Call Log—P1	10000 records/system
	Simultaneous Programmers	one manager programmer + 63 personal programmers		Incoming Call Log—PS + Incoming Call Distribution Group	100 records/extn. or group
		64 personal programmers		Incoming can bog—rs + incoming can distribution group	Total 5120 records/system
	SMDR Call Storage	1000 calls		Message Waiting—PS + Incoming Call Distribution Group	640
	Special Carrier Access Code	16 digits, 100 entries		Message Waiting—PT + SLT	1000
	Tenant	32	Outgoing Message	Outgoing Message (OGM)	64
	Time Service Holiday	24	(OGM)	OGM Total Recording Time	Approx. 64 minutes
	Verification Code	4 digits, 1000 entries		Billing items for guest rooms	4000 records/PBX
	Verification Code Personal Identification Number (PIN)	10 digits, 1000 entries	Hospitality and Charge	Hotel Operator	4
	Emergency Call	32 digits, 10 entries	Management Features	Charge Rate	7 digits including a decimal
	Hot Line	32 digits		Charge Denomination	3 currency characters/symbols
	Key Pad Protocol Dial (ISDN Service Access)	32 digits		One-look Networking	1 Master unit
	Personal Speed Dialling	32 digits, 100 entries/extn.		Olie-look Networking	15 Slave units
Dialling	Quick Dialling	8 digits, 4000 entries		Stacking connection (Legacy Gateway)	8 (One-look Networking)
	Redial	32 digits		E1 trunk/PRI adaptor	16
	System Speed Dialling	32 digits, 1000 entries/tenant	Networking	TIE Line Routing and Modification Table	32 entries
	One-touch Dialling—PT	32 digits, 5000 entries/system		Leading Number	3 digits
	One-touch Dialling—PS	32 digits, 1000 entries/system		PBX Code	7 digits
	Conference Group	8 (8 members/group for Conference Group Mode,		NDSS: Monitored PBXs	8
	· ·	32 members/group for Broadcast Mode)		NDSS: Registered Extensions for Monitor PBX	250
	Call Pickup Group	96			1022 subscriber mailboxes
	Idle Extension Hunting Group	128 (16 extensions/group)		Mailboxes	1 System Manager mailbox
	Incoming Call Distribution Group	128 (128 extensions/group)			1 Message Manager mailbox
iroups	Paging Group	96	Unified Messaging	Group Distribution List	User: 4 groups, 40 members per group
ιιναμο	PS Ring Group	32			System: 20 groups, 200 members per group
	Trunk Group	96		Service Group	64 entries
	UM Group	1 group per PBX		Unified Messaging Ports	24 ports
	VM (DPT) Group	8 groups x 12 ports (24 channels)		Users (User)	1512 accounts*1
	VM (DTMF) Group	8 groups x 32 channels	Web Maintenance	Users (Administrator)	32 accounts
	P2P Group	256	Console Accounts	Installer	1 account
	<del></del>			Password (all account types)	4 – 16 characters

### \*1 The total number of administrator and user accounts combined cannot exceed 1512

<b>Feature</b>	List
1. Call Handling F	eatures

1. Call Handling Features Incoming Call Features Incoming Trunk (all Features Incoming Trunk (all Features I) Oirect In line (DIL) I) Oirect Inward Dialling (DID)/Direct Dialling In (DDI) Multiple Subscriber Number (MSN) Ringing Service Calling Line Identification (CLI) Distribution	Busy Line/Busy Party Features Automatic Callback Busy (Camp-on) Executive Busy Overide Call Monitor Second Call Notification to Busy Extension -Call Waiting Tone -Off-hook Call Announcement (OHCA) -Whisper OHCA
Intercept Routing—No Destination Internal Call Features Internal Call Block Incoming Call Indication Features Routing 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 Oueuing Feature	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 Gall Transfer
- Queuing resture - VIP Call - Overflow Feature - Log-in/Log-out - Supervisory Feature - Call Forwarding (FWD)/Do Not Disturb (DND) Features - Call Forwarding (FWD)	Holding Features Call Hold Call Park Call Splitting Music on Hold Conference Features
Do Not Disturb (DND) FWD/DND Button, Group FWD Button	Conference Privacy Release
Answering Features Line Preference—Incoming Call Pickup Hands-free Answerback Making Call Features	Conference Group Call Features Conference Group Call Direct Inward System Access (DISA) Features Direct Inward System Access (DISA) Automatic Fax Transfer

Making Call Features Trunk Call Features External Device Feature 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 Feat One-touch Dialling Last Number Redial

Paging Features

External Relay Control

Caller ID Feature

Incoming Call Log

Flexible Ruttons

Display Information

Printing Message

Call Charge Services

Walking Extension

Fnhanced Walking Extension

Hospitality Features
Room Status Control
Call Billing for Guest Room

Extension Controlling Features

Extension Controlling Features
Extension Personal Identification Number (PIN)
Extension Feature Clear
Walking Extension Features

• This spec sheet is for the KX-NS1000 Software Version 002.02000 or later. Functions and maximum capacity vary depending on the KX-NS1000 software version.
• Some operations may vary depending on the type of telephone being used. Please consult a Panasonic sales company for details.

Paging Trunk Answer From Any Station (TAFAS)

Proprietary Telephone (PT) Hardware Features

Administrative Information Features

Record Log Features
- Station Message Detail Recording (SMDR)
- Syslog Record Management

Speed Dialling—Personal/System Quick Dialling Toll Restriction (TRS)/Call Barring (Barring) F Toll Restriction (TRS)/Call Barring (Barring) Budget Management Extension Dial Lock

Walking COS Verification Code Entry Automatic Route Selection (ARS) Feature Automatic Route Selection (ARS) Primary Directory Number (PDN)/Secondary Directory Number (SDN) Features Primary Directory Number (PDN)/Secondary Directory

usy Line/Busy Party Features Audible Tone Feature omatic Callback Busy (Camp-on) Dial Tone cutive Rusy Override Confirmation Tone Computer Telephony Integration (CTI) Features Computer Telephony Integration (CTI) cond Call Notification to Busy Extension
Call Waiting Tone
Off-hook Call Announcement (OHCA) CA (Communication Assistant) Cellular Phone Features Whisper OHCA

onversation Feature ands-free Operation f-hook Monitor Rackground Music (RGM) 2. Unified Messaging System dset Operation rauset operation ita Line Security issh/Recall/Terminate ternal Feature Access (EFA) unk Call Limitation

**Unified Messaging System Ad** System Administration Custom Service Builder Default Mailbox Template Password Administration System Backup/Restore
 System Reports System Security Fax Server

System and Subscriber Features
System Features
• Alternate Extension Group Auto Forwarding Automated Attendant (AA) Automatic Two-way Recording for Manager Broadcasting Messages
 Call Services
 Call Transfer to Outside Caller ID Call Routing Caller ID Screening Caller Name Announcemen Class of Service (COS)
Company Greeting
Company Name Covering Extension Custom Service Dialling by Name

· Holiday Service Hospitality Mode 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 Reception Mode
 Message Waiting Notification—E-mail Device
 Message Waiting Notification—Lamp
 Message Waiting Notification Telephone Device
 Multilingual Service
 No DTMF Input Operation
 Net Made American Service
 No DTMF Input Operation On Hold Announcement Menu Operator Service PIN Call Routing
 Play System Prompt After Personal Greeting
 Port Service
 Remote Time Service Set

 Service Group
 Simplified Tutorial System Prompts
 Transfer Recall to a Mailbox
 Transfer to Mailbox
 Trunk Service (Universal Port) Voice Mail Service

 Auto Receipt Automatic Fax Delivery Automatic Fax Delivery
 Automatic Login
 Autoplay New Message
 Bookmark
 Call-through Service
 Call Transfer Scenario Call Transfer Status Callback Number Entry Calloack Number Entry
 Caller ID Callback
 Delete Message Confirmation
 Direct Service Access External Message Delivery Service • Fax Cover Page Fax Driver
 Forwarding to a Mailbox
 Group Distribution Lists
 Incomplete Call Handling Service · Live Call Screening (LCS) Mailbox Mailbox Canacity Warning Manager Service Switching
 Message Transfer
 Personal Custom Service · Personal Greetings Private Message Recover Message Remote Absent Messa

Remote Call Forwarding Set
 Send to Fax Machine

• Timed Reminder Setting

Subscriber Tutorial

 Toll Saver
 Two-way Record/Two-way Transfer
 Urgent Message
 Voice Mail (VM) Transfer Button Web Programming E-mail Client Integration Features Integration with Microsoft Outlook IMAP Integration 3. Network Features Public Network Features SIP (Session Initiation Protocol) Trunk Integrated Services Digital Network (ISDN) Service Features Calling/Connected Line Identification Presentation Calling/connected Line Identification Pr (CLIP/COLP)
 Advice of Charge (AOC)
 Call Forwarding (CF) — by ISDN (P-MP)
 Call Forwarding (CF) — by ISDN (P-P) Call Hold (HOLD)—by ISDN Gall Hold (HOLD) — by ISDN
Call Transfer (CT) — by ISDN
Three-party Conference (3PTY) — by ISDN
Malicious Call Identification (MCID)
Completion of Calls to Busy Subscriber (CCBS)
ISDN Service Access by Keypad Protocol

One-look Networking
One-look Networking Survivability
- Backup Master Mode and Isolated Mode Automatic Rerouting to Secondary PBX • UM Group Failover Private Network Features
TIE Line Service

Making a TIE Line Call • TIE Line and Trunk Connection TIE Line Programming
 Common Extension Numbering for 2 PBXs

Voice over Internet Protocol (VoIP) Network Gateway Groups
 Common Extension Numbering for Multiple PBXs Call Distribution Port Group
 ISDN Virtual Private Network (ISDN-VPN)
 QSIG Standard Features
 -Calling/Connected Line Identification Presentation (CLIP/COLP) and Calling/Connected Name Identification Presentation (CNIP/CONP)—by OSIG Presentation (CNIP/CONP)—by QSIG
- Call Torwarding (CF)—by QSIG
- Call Transfer (CT)—by QSIG
- Completion of Calls to Busy Subscriber (CCBS)—by QSIG
OSIG Enhanced Features
- Network Direct Station Selection (NDSS) · Centralised Voice Mail Network ICD Group

• PS Roaming by Network ICD Group 4. System Configuration and

Administration Features

System Configuration— Class of Service (COS) Tenant Service Time Service
Operator Features
Manager Features System Configuration—Extensions
IP Proprietary Telephone (IP-PT)
SIP (Session Initiation Protocol) Extensio KX-UT Series SIP Phones
 SIP Portable Station (S-PS) and SIP Cell Station (SIP-CS) Simple Remote Connection Peer-to-Peer (P2P) Connection Portable Station (PS) Features Portable Station (PS) Peatures
 Portable Station (PS) Connecti
 PS Ring Group
 PS Directory
 PS Feature Buttons · Wireless XDP Parallel Mode Virtual PS ISDN Extension Feature

Legacy Device Connectio Trunk Adaptor Connection E-mail Notification Features E-mail Notification for Extension User E-mail Notification of System-level Events System Data Control
User Profiles PC Programming PT Programming

DSP Resource Usage - DSP Resource Reservation
- DSP Resource Advisor
Automatic Setup
Dynamic Host Configuration Protocol (DHCP) Server Flexible Numbering/Fixed Numbering Floating Extension Software Upgrading

Fault Recovery/Diagnostics
UPS (Uninterruptible Power Supply) Integration Power Failure Transfer Power Failure Restart
Local Alarm Information
Simple Network Management Protocol (SNMP) System Monitor
Dynamic Host Configuration Protocol (DHCP) Assignment

Design and specifications are subject to change without notice.





# **KX-NS1000**

**PCMPR Software File Version 2.02** 



## **System Capacity**

### **Maximum Trunks**

Tuna	KX-NS1000	KX-NS1000 with 1 Legacy Gateway					
Туре	Stand-alone System	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620, KX-TDA600/620		
Total Number of Trunks	256 ch	256 ch	256 ch	256 ch	256 ch		
H.323	48 ch	48 ch	48 ch	48 ch	48 ch		
SIP*1	256 ch	256 ch	256 ch	256 ch	256 ch		
BRI	8 ch	12 ch*² / 16 ch*³	96 ch	128 ch	160 ch		
PRI23*1	23 ch	46 ch	92 ch	92 ch	115 ch		
PRI30 <sup>*1</sup>	30 ch	60 ch	120 ch	120 ch	150 ch		
T1	N/A	48 ch	96 ch	96 ch	120 ch		
E1*1	N/A	60 ch	120 ch	120 ch	150 ch		
Analogue	2 lines	12 lines*2 / 16 lines*3	96 lines	128 lines	160 lines		

Tuna		KX-NS1000			
Туре	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620, KX-TDA600/620	One-look Networking
Total Number of Trunks	256 ch	256 ch	256 ch	256 ch	600 ch
H.323	48 ch	48 ch	48 ch	48 ch	96 ch
SIP*1	256 ch	256 ch	256 ch	256 ch	256 ch
BRI	24 ch*2 / 32 ch*3	192 ch	256 ch	256 ch	600 ch
PRI23*1	92 ch	184 ch	184 ch	230 ch	600 ch
PRI30*1	120 ch	240 ch	240 ch	256 ch	600 ch
T1	96 ch	192 ch	192 ch	240 ch	600 ch
E1*1	120 ch	240 ch	240 ch	256 ch	600 ch
Analogue	24 lines*2 / 32 lines*3	192 lines	256 lines	256 lines	600 lines

ing the trunk adaptor KX-NS8188/KX-NS8290, the total number including SIP, PRI, and E1 is 256 ch. "2 When connected with the KX-NCP300" When connected with the KX-NCP300 When co

### **Maximum Terminal Equipment**

Tuna	KX-NS1000		KX-NS1000 with 1 Legacy Gateway					
Туре	Stand-alone System	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620, KX-TDA600/620			
Telephone	640	640	640	640	640			
SLT	2	36	96	128	240			
KX-DT300/KX-T7600 Series DPT	N/A	40	128	256	256			
KX-T7560/KX-T7565DPT	N/A	36	96	128	128			
Other DPT	N/A	10	32	128	160			
APT	N/A	4	24	64	80			
IP-PT*1	256	256	256	256	256			
SIP	640	640	640	640	640			
SIP Phone*2	640	640	640	640	640			
S-PS	255	255	255	255	255			
DSS Console	N/A	8	8	8	64			
S	64	64	64	64	64			
PT-interface CS (2-channel)	N/A	11	32	32	32			
PT-interface CS (8-channel)*3	N/A	5	16	16	16			
IP-CS	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)			
SIP-CS	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)			
PS	512	512	512	512	512			
Voice Processing System (VPS)	N/A	2	2	2	2			
Doorphone	1	17	17	17	17			
Door Opener	1	17*4	17*4	17*4	17*4			
External Sensor	1	17	17	17	17			
External Relay	N/A	17*4	17*4	17*4	17*4			

T		KX-NS1000			
Туре	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620, KX-TDA600/620	One-look Networking
Telephone	640	640	640	640	1000
SLT	72	192	256	480	1000
KX-DT300/KX-T7600 Series DPT	80	256	512	512	1000
KX-T7560/KX-T7565DPT	72	192	256	256	1000
Other DPT	20	64	256	320	1000
APT	8	48	128	160	640
IP-PT*1	256	256	256	256	1000
SIP	640	640	640	640	1000
SIP Phone*2	640	640	640	640	1000
S-PS	255	255	255	255	255
DSS Console	16	16	16	64	64
CS	64	64	64	64	128
PT-interface CS (2-channel)	22	64	64	64	128
PT-interface CS (8-channel)*3	10	32	32	32	64
IP-CS	64 (16CSs x 4 Air-sync Group)	128			
SIP-CS	64 (32CSs x 2 Air-sync Group)	128			
PS	512	512	512	512	512
Voice Processing System (VPS)	4	4	4	4	8
Doorphone	33	33	33	33	64
Door Opener	33*4	33 <sup>r4</sup>	33* <sup>4</sup>	33*4	64
External Sensor	33	33	33	33	64
External Relay	33*4	33"4	33*4	33*4	64

<sup>1</sup> KX-NT500 series, KX-NT300 series, and KX-NT265 (software version 2.00 or later only), 2 KX-UT Series, KX-NT700 and third party SIP phones (SIP hardphones/SIP softphones).
2 One 8-channel PT-interface CS or IP-CS counts as 2 CSs for the total number of CSs. 1 The DOORPHONE card of the KX-NS1000 can serve as a door opener or as an external relay depending on how it is programmed.

## Specifications

Specific	pecinications									
	KX-NS1000									
Main CPU		650 MHz Dual Core	Operating	Temperature	0 °C to 40 °C					
Power Input		100 V AC to 130 V AC: 0.95 A/200 V AC to 240 V AC: 0.6 A; 50 Hz/60 Hz	Environment	Humidity	10 % to 90 % (non-condensing)					
Power Consumption (w	hen fully mounted)	50 W (240 V: 132 VA, 200 V: 120 VA, 130 V: 104 VA, 100 V: 95 VA)	Conference Call Trunk		From 24 x 3-party conference call to 9 x 8-party	conference call				
External Backup Battery	1	External battery port is not supported.	Music on Hold (MOH)		1 port (Level Control: -31.5 dB to +31.5 dB per	0.5 dB)				
Support UPS: USB2.0: 1 port (Connector: Type A)		Support UPS: USB2.0: 1 port (Connector: Type A)		MOH: Selectable Into		electable Internal/External Music Source port				
Memory Backup Duratio	on	7 years	External Paging 1 port (Volume Control: -15.5 dB to +15.5 dB per 0.5 dB)		er 0.5 dB)					
Dialling	Trunk	Dial Pulse (DP) 10 pps, 20 pps	Serial Interface Port	RS-232C	1 (maximum 115.2 kbps)	ım 115.2 kbps)				
		Tone (DTMF) Dialling with Caller ID (FSK/DTMF)	RJ45 Port	MNT Port		10BASE-T/100BASE-TX/1000BASE-T				
		1600 Ω Maximum		LAN Port	1 (for LAN connection)	(Auto MDI/ MDI-X)				
	Extension	Dial Pulse (DP) 10 pps, 20 pps	Extension Connection Cable	SLT	1-pair wire (T, R)					
		Tone (DTMF) Dialling with Caller ID (FSK/DTMF)	Air-cooling Method		Fan					
		SLC1 port supports PFT in combination with the LCOT1 port connected to an analogue trunk.	Dimension	Dimension 430 mm (W) x 88 mm (H) x 340 mm (D)						
Mode Conversion	onversion DP-DTMF, DTMF-DP Weight (when fully mounted) Under 5.1 kg									
Ring Frequency		20 Hz/25 Hz (selectable)								

Note: The numbers in the tables do not include Digital EXtra Device Port (Digital XDP) connection.

# **Option List for KX-NS1000**

Catanami	Model	Description
Category	Model	Description
tivation Key Codes		I
IP Trunk	KX-NSM102	2-Channel IP Trunk Activation Key
	KX-NSM104 KX-NSM108	4-Channel IP Trunk Activation Key  8-Channel IP Trunk Activation Key
	KX-NSM106	,
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
		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 KX-NSM710	5-Channel SIP Extension Activation Key  10-Channel SIP Extension Activation Key
	KX-NSM710 KX-NSM720	
Unified	KX-NSU001	Activation Key for Recording Time Expansion
Messaging	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
EXCUSION	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 KX-NSA301	Activation Key for CA PRO for 128 Users  Activation Key for CA ACD Monitor for 1 ICD Supervisor
	KX-NSA301 KX-NSA401	Activation Key for CA ACD Monitor for 1 ICD Supervisor  Activation Key for CA Operator Console
	KX-NSA401 KX-NSA901	Activation Key for CA Detailor Console  Activation Key for CA Network Pluq-in for 1 User
		Activation Key for CA Network Plug-in for 5 Users
	KX-NSA903	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	KX-NSP001	Standard Activation Key Package (E-mail/Two-way Recording) for 1 User
Activation Keys	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
	VV MCD210	Mobile Activation Key Package (E-mail/Mobile) for 10 Users
	KX-NSP210 KX-NSP220	Mobile Activation Key Package (E-mail/Mobile) for 20 Users

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

<sup>\*1</sup> 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)

Doorphone (KX-130865, KX-17765)
Telephones
 Panasonic Proprietary Telephones
 Panasonic Proprietary Telephones
 IP proprietary telephones (e.g., KX-NT500 series, KX-NT300 series)
 IP softphones (e.g., KX-MCS8100)
 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-MT700)
 Third party SIP phones (SIP hardphones/SIP softphones)
 Other

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-HT16/NT400 IP proprietary telephone

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

# https://www.idehal.org/

# **Option List for Legacy Gateways**

Category  Legacy Gateway Cards	Model	Description			Legacy Gateway			
Legacy Gateway Cards		Description	KX-NCP500/1000	KX-TDE600/620, KX-TDA600/620	KX-TDE100/200, KX-TDA100/200			
, -,, caras	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-NCP 104 (4-Channel VolP DSP Card)

  KX-TDA0105 (Memory Expansion Card)

  KX-TDA0105 (Memory Expansion Card)

  KX-TDA012 (4-Channel Wassage Card)

  KX-TDA013 (4-Channel Simplified Voice Message Card)

  KX-TDA013 (4-Channel Simplified Voice Message Card)

  KX-TDA014 (4-Channel Wassage Card)

  KX-TDA0470 (16-Channel VolP Extension Card)

  KX-TDA0470 (16-Channel VolP Extension Card)

  KX-TDA0480 (16-Channel VolP Extension Card)

  KX-TDA0490 (16-Channel VolP Gateway Card)

  KX-TDA118 (14-Port Single Line Telephone Extension with Caller ID and Message Lamp Card)

  KX-TDA118 (18-Port Single Line Telephone Extension with Caller ID and Message Lamp Card)

  KX-TDA118 (18-Port Single Line Telephone Extension with Caller ID and Message Lamp Card)

  KX-TDA118 (18-Port Analogue Trunk card with CID)

  KX-TDA118 (18-Port Analogue Trunk with Caller ID Daughter Card)

  KX-TDA118 (18-Port Analogue Trunk with Caller ID Daughter Card)

  KX-TDE0111 (16-Channel VolP DSP Card)

  KX-TDE0111 (16-Channel VolP 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

- 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-TDA015SCE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station

  -2-Channel Cell Station Unit (KX-TDA015SCE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station

  -4-Channel Cell Station Unit (KX-TDA015SCE) Using a CSIF Card for DECT Portable Station \*Not supported for KX-NCP series.

  -8-Channel High-density Cell Station Unit (KX-TDA015SCE) Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station

  2.4 GHz CS
- 8-Channel High-density Cell Station Unit (KX-IDA0158CE) Using a DHLC/DLC Card (P1-interface CS) for DECT Port 24 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

- \*-3-Challier Cell Station Offic (Na-TuAo) 52/ Osing a Csir Catal of 2.4 GHz Portable Station Telephones
   \*- Panasonic Proprietary Telephone (e.g., KX-DT300 series, KX-T7400 series, KX-T7500 series, and KX-T7600 series)
   \*- Portable Station (e.g., KX-T07600 series)
   \*- Post Console (e.g., KX-T07300)
   \*- 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 Felephones The following Panasonic proprietary telephones are not available even if a legacy gateway is connected: • KX-HGT100 SIP telephone • KX-H7400 IP proprietary telephone • KX-TT000 oP C Console • KX-T7000 series proprietary telephone • KX-T7000 series proprietary telephone • KX-T7000 series proprietary telephone • KX-T7000 series proprietary telephone

 $\begin{tabular}{ll} \textbf{Note} \\ \textbf{Some models will be exported to limited regions. Please contact our dealer and confirm the availability of specific models in your region.} \end{tabular}$