

### System Capacity

#### Maximum CO Lines and Extensions

The PBX supports the following number of CO lines and extensions.

Type	KX-NCP1000
<b>Total Number of CO Lines</b>	<b>96</b>
CO Line (Physical CO Line Card)	64
CO Line (Virtual CO Line Card)	32
<b>Total Number of Extensions</b>	<b>108</b>
Extension (Physical Extension Card)	44
Extension (Virtual Extension Card)	64
IP-PT and IP Softphone	64
SIP Extension	64

#### Note

For non-peer-to-peer calls via the DSP card, calls cannot be made or received when all of the card's resources are being used.

#### Maximum Terminal Equipment

The following shows the number of each terminal equipment type supported by the PBX.

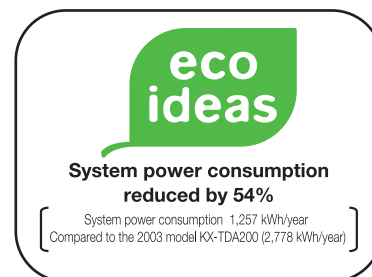
Terminal Equipment Type	KX-NCP1000
<b>Telephone</b>	<b>108</b>
SLT	36
KX-DT300/KX-T7600 series DPT	40
Other DPT	10
APT	4
IP-PT <sup>*1</sup>	64
SIP Extension	64
DSS console	8
CS	8
High-density CS	4
PS	64
Voice Processing System (VPS)	2
Doorphone	16 <sup>*2</sup>
Door Opener	16
External Sensor	16
External Relay	16

<sup>\*1</sup> KX-NT300 series and KX-NT265 (software version 2.00 or later only)

<sup>\*2</sup> When using the DPH2 card, the maximum number of door phones is 12.



KX-NCP1000



### Option List

Category	Model	Description	Category	Model	Description	
Main Unit	KX-NCP1000	Main Unit	Small Free Slot			
IPCMPR Option Cards	KX-NCP1104	4-Channel VoIP DSP Card (DSP4)	Physical CO Line Cards	KX-NCP1180	4-Port Analog Trunk Card (LCOT4)	
	KX-TDE0110	16-Channel VoIP DSP Card (DSP16)		KX-NCP1280	2-Port BRI Card (BRI2)	
	KX-TDE0111	64-Channel VoIP DSP Card (DSP64)		KX-NCP1290	PRI Card (PRI23)	
	KX-TDA0196	Remote Card (RMT)		KX-NCP1290CJ	PRI Card (PRI30)	
Activation Key Codes	KX-NCS3102	2-Channel IP Trunk Activation Key (2 IP Trunk)	Physical Extension Card	KX-NCP1170	4-Port Digital Hybrid Extension Card (DHLC4)	
	KX-NCS3104	4-Channel IP Trunk Activation Key (4 IP Trunk)		Regular Free Slot		
	KX-NCS3201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key (1 IP Softphone/IP PT)	Physical CO Line Cards	KX-NCP1187	T-1 Trunk Card (T1)	
	KX-NCS3204	4-Channel IP Softphone/IP Proprietary Telephone Activation Key (4 IP Softphone/IP PT)		KX-NCP1188	E-1 Trunk Card (E1)	
		KX-NCS3208	8-Channel IP Softphone/IP Proprietary Telephone Activation Key (8 IP Softphone/IP PT)	Physical Extension Cards	KX-NCP1171	8-Port Digital Extension Card (DLC8)
	KX-NCS3216		16-Channel IP Softphone/IP Proprietary Telephone Activation Key (16 IP Softphone/IP PT)		KX-NCP1172	16-Port Digital Extension Card (DLC16)
		KX-NCS3501	1-Channel IP Proprietary Telephone Activation Key (1 IP PT)		KX-NCP1173	8-Port Single Line Telephone Extension Card (SLC8)
	KX-NCS3504		4-Channel IP Proprietary Telephone Activation Key (4 IP PT)		KX-NCP1174	16-Port Single Line Telephone Extension Card (SLC16)
		KX-NCS3508	8-Channel IP Proprietary Telephone Activation Key (8 IP PT)	Other Physical Card	KX-NCP1190	Optional 3-Slot Base Card (OPB3)
	KX-NCS3516	16-Channel IP Proprietary Telephone Activation Key (16 IP PT)	OPB3			
	KX-NCS3701	1-Channel SIP Extension Activation Key (1 SIP Extension)	Other Physical Cards	KX-TDA0161	4-Port Doorphone Card (DPH4)	
	KX-NCS3704	4-Channel SIP Extension Activation Key (4 SIP Extension)		KX-TDA0164	4-Port External Input/Output Card (EIO4)	
	KX-NCS3708	8-Channel SIP Extension Activation Key (8 SIP Extension)		KX-TDA0166	16-Channel Echo Canceller Card (ECHO16)	
	KX-NCS3716	16-Channel SIP Extension Activation Key (16 SIP Extension)		KX-TDA0191	4-Channel Message Card (MSG4)	
		KX-NCS3910		Activation Key for Software Upgrade to Enhanced Version (Software Upgrade 01)	KX-TDA0192	2-Channel Simplified Voice Message Card (ESVM2)
	KX-NCS2101	Activation Key for CA Basic for 1 User (CA Basic 1user)	Cell Stations (CSs)	2.4 GHz	KX-TDA0194	4-Channel Simplified Voice Message Card (ESVM4)
	KX-NCS2105	Activation Key for CA Basic for 5 Users (CA Basic 5users)			KX-TDA0141	2-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for 2.4 GHz Portable Station
	KX-NCS2110	Activation Key for CA Basic for 10 Users (CA Basic 10users)		KX-TDA0151	2-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for 2.4 GHz Portable Station	
	KX-NCS2201	Activation Key for CA PRO for 1 User (CA Pro 1user)		DECT 6.0	KX-TDA0155	DECT 6.0 2-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for DECT 6.0 Portable Station
	KX-NCS2205	Activation Key for CA PRO for 5 Users (CA Pro 5users)			KX-TDA0158	DECT 6.0 8-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for DECT 6.0 Portable Station
	KX-NCS2210	Activation Key for CA PRO for 10 Users (CA Pro 10users)	Proprietary Equipment	KX-T7765	Doorphone	
	KX-NCS2301	Activation Key for CA ACD Monitor for 1 ICD Supervisor (CA Supervisor 1user)				

# Specifications

KX-NCP1000					
Control Bus		Original bus (16-bit, 8 MHz, 10 megabytes per second)	Paging	Internal	Level Control: -6 dB to +3 dB per 3 dB
Communication Bus		H.100 bus conformity (1024 time slots)		External	1 port (Volume Control: -15 dB to +6 dB per 3 dB)
Switching		Non-blocking	Serial Interface Port	RS-232C	1 (maximum 115.2 kbps)
Power Input		100 V AC to 130 V AC; 1.3 A/200 V AC to 240 V AC; 0.8 A; 50 Hz/60 Hz	RJ45 Port	MNT Port	1 (for PC connection)
Maximum Power Failure Tolerance**1		300 ms		LAN Port	1 (for LAN connection)
Memory Backup Duration		7 years	Extension Connection Cable		
Dialling	CO Line	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling			
	Extension	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling			
Mode Conversion		DP-DTMF, DTMF-DP			
Ring Frequency		20 Hz/25 Hz (selectable)			
Central Office Loop Limit		1600 Ω maximum			
Operating Environment	Temperature	0 °C to 40 °C (32 °F to 104 °F)	Dimension		
	Humidity	10 % to 90 % (non-condensing)			
Conference Call CO Line		From 10 x 3-party conference call to 4 x 8-party conference call	Weight (when fully mounted)		
Music on Hold (MOH)		1 port (Level Control: -6 dB to +6 dB per 3 dB) MOH1: Selectable Internal/External Music Source port			

\*\*1 If tolerance may be exceeded, an Uninterruptible Power Supply (UPS) is recommended.

# System Feature Capacity

Item	KX-NCP1000	Item	KX-NCP1000
<b>System</b>		<b>Call Log and Message Waiting</b>	
Absent Message-Extension	1 x 16 characters	Outgoing Call Log - PT	100 records/extn. 520 records/system (excluding T1-OPX) records/system
Absent Message-System	8 x 16 characters		
Call Park Zone	100	Outgoing Call Log - PS	100 records/extn. 320 records/system
Conference	3-8 parties per conference (32 parties total)	Incoming Call Log - PT	100 records/extn. 1,040 records/system (excluding T1-OPX) records/system
COS	64		
DiD/DDI Table	32 digits, 1,000 entries	Incoming Call Log - PS + Incoming Call Distribution Group	100 records/extn. or group 1,040 records/system
Extension number	1-5 digits (1-4 digits for PSs)	Message Waiting - PS + Incoming Call Distribution Group	192
Extension Personal Identification Number (PIN)	10 digits, 1 entry/extension	Message Waiting - PT + SLT	512
Host PBX Access Code	10 digits, 10 entries/trunk group	<b>Voice Message</b>	
Number of the Characters of Name	20	Outgoing Message (OGM)	64
Printing message	8	OGM Total Recording Time	MSG4 Card: 8 minutes; ESVM2/ESVM4/IPCMPR Card: 20 minutes (at High recording quality)
Queuing Time Table	64	Simplified Voice Message (SVM)	IPCMPR Card: 125 messages; ESVM2/ESVM4 Card: 250 messages per card/block
Ring Tone Pattern Plan	8		20, 60, or 120 minutes (depending on the recording quality)
Simultaneous Programmers	• one system programmer + 63 personal programmers • one manager programmer + 63 personal programmers • 64 personal programmers	<b>Hospitality Features</b>	
SMDR Call Storage	200 calls	Hotel Operator	4
Special Carrier Access Code	16 digits, 20 entries	<b>Networking</b>	
Tenant	8	TIE Line Routing and Modification Table	32 entries
Time Service Holiday	24	Leading Number	3 digits
Verification Code	4 digits, 1,000 entries	PBX Code	7 digits
Verification Code Personal Identification Number (PIN)	10 digits, 1,000 entries	NDSS: Monitored PBXs	8
<b>Dialling</b>		NDSS: Registered Extensions for Monitor PBX	250
Emergency Call	32 digits, 10 entries	<b>CTI</b>	
Hot Line	32 digits	PC Console	8
Personal Speed Dialling	32 digits, 100 entries/extn.	PC Phone	36
Quick Dialling	8 digits, 4,080 entries	CA Basic	128 users
Redial	32 digits	CA Pro	128 users
System Speed Dialling	32 digits, 1,000 entries/tenant	CA Supervisor	4 users
<b>Groups</b>		<b>Password</b>	
Call Pickup Group	64	System Password for Installer	4 - 10 characters
Idle Extension Hunting Group	64 (16 extensions/group)	System Password for Administrator — for PC Programming	4 - 10 characters
Incoming Call Distribution Group	128 (32 extensions/group)	System Password for User — for PC Programming	4 - 10 characters
Paging Group	32	System Password for Administrator — for PT Programming	4 - 10 digits
PS Ring Group	32	System Password for User — for PT Programming	4 - 10 digits
Trunk Group	64	Manager Password	4 - 10 digits
VM (DPT) Group	2 groups x 12 ports (24 channels)	<b>Programmer Code</b>	
VM (DTMF) Group	2 groups x 32 channels	Installer Level Programmer Code	4 - 16 characters
<b>TRS</b>		Administrator Level Programmer Code	4 - 16 characters
TRS Level	7	User Level Programmer Code	0 - 16 characters
TRS Denied Code	16 digits, 100 entries/level		
TRS Exception Code	16 digits, 100 entries/level		
<b>ARS</b>			
Routing Plan Table	16 entries		
Leading Number Table	16 digits, 1,000 entries		
Leading Number Exception Table	16 digits, 200 entries		
ARS Carrier	10		
Itemised Billing Code	10 digits		
Authorization Code for Tenant	16 digits		
Authorization Code for Trunk Group	10 digits		