



## KEY FEATURES

- Compact Hybrid Communication Solution; the IP and Digital World in One Box
- Built-in Unified Messaging: Voicemail, Call Center, Simplified Maintenance and More
- Supports an Extensive Lineup of Phones that Includes SIP/IP/Digital and DECT Portables
- Expansion Cabinet Allows the System to Grow with Your Company
- Robust Standard Two-year Warranty

## THE PANASONIC KX-NS700 COMPACT HYBRID COMMUNICATION PLATFORM

The KX-NS700 harnesses the power of an IP communications platform while retaining the ability to maintain a legacy PBX digital platform. It is a cost-saving system for companies with up to 288 users in a single site that can be flexibly configured with both digital and IP configurations and expanded, making it the ideal investment protection.

The KX-NS700 has intelligent features like built-in voicemail, call center monitoring and reporting, as well as access to our standard Communication Assistant application tool. You can also try advanced features before purchasing, like two-way recording, message storage backup, voicemail-to-email notification, mobility and advanced Communication Assistant.

## KX-NS700

DHLC4

EXTN

### SYSTEM CAPACITY

#### MAXIMUM TRUNKS

TYPE	KX-NS700 WITH NO OPTIONS	KX-NS700 MAX.	KX-NS720 + 1 KX-NS720	KX-NS720 + 2 KX-NS720	KX-NS720 + 3 KX-NS720
<b>Total Number of Trunks</b>	<b>0</b>	<b>102</b>	<b>138</b>	<b>174</b>	<b>210</b>
Legacy	0	38	74	110	146
PRI23	0	23	46	69	92
Analog	0	12	24	36	48
IP	0	64	64	64	64
H323	0	32	32	32	32
SIP	0	64	64	64	64

#### MAXIMUM NUMBER OF END POINTS

TYPE	KX-NS700 WITH NO OPTIONS	KX-NS700 MAX.	KX-NS720 + 1 KX-NS720	KX-NS720 + 2 KX-NS720	KX-NS720 + 3 KX-NS720
<b>Extensions (DXDP)<sup>1</sup></b>	<b>6</b>	<b>166 (168)</b>	<b>198 (208)</b>	<b>230 (248)</b>	<b>262 (288)</b>
Legacy (DXDP) <sup>1</sup>	6	38 (40)	70 (80)	102 (120)	134 (160)
SLT	4	36	68	100	132
DPT (DXDP) <sup>1</sup>	2	34 (36)	66 (76)	98 (116)	130 (156)
APT	0	8	16	24	32
IP	0	128	128	128	128
IP-PT	0	128	128	128	128
SIP	0	128	128	128	128
DSS Console	2	8	8	8	8
CS	2	40	48	56	64
DPT-CS (2 ch)	2	8	16	24	32
DPT-CS (8 ch)	0	4	8	12	16
IP-CS	0	32	32	32	32
PS	128	128	128	128	128
VM					
ESVM (ch)	2	2	2	2	2
Built-in UM (ch)	0	24	24	24	24
TVA Unit	2	2	2	2	2
Doorphone	0	2	4	6	8
Door Opener	0	2	4	6	8
External Sensor	0	2	4	6	8

<sup>1</sup>When Digital XDP is used.

### OPTIONS

#### HARDWARE

	COMPONENT	MODEL NO.	INSTALLED IN
DSP	S (63 resources)	KX-NS5110	DSP Card Slot
	M (127 resources)	KX-NS5111	
	L (254 resources)	KX-NS5112	
Storage Memory <sup>1</sup>	XS (VM Recording Time: 40 hours)	KX-NS7134	Storage Memory Card Slot
	S (VM Recording Time: 200 hours)	KX-NS7135	
	M (VM Recording Time: 400 hours)	KX-NS7136	
Trunk	LCOT6	KX-NS5180	Trunk/Doorphone Slot
	PRI23	KX-NS5290	
	DPH2	KX-NS5162	
Extension	DHLC4	KX-NS5170	Extension Slot
	DLC8	KX-NS5171	
	DLC16	KX-NS5172	
	MCSLC8	KX-NS5173	
	MCSLC16	KX-NS5174	
Expansion Master Card	EXP-M	KX-NS7130	EXP-M Slot
Remote Modem	RMT	KX-TDA0196	RMT Slot

### SOFTWARE ACTIVATION KEYS

COMPONENT	MODEL NO.	MAXIMUM			
Networking	QSIG Network KX-NSN002	1 activation key			
System Function	Call Center Feature ACD Report <sup>2</sup> , Announcement of waiting number for queuing	KX-NSF201 1 activation key			
	Expansion Capacity KX-NSF991	1 activation key			
IP Trunk	IP Trunks (H.323/SIP)	2 ch 4 ch 8 ch 16 ch KX-NSM102 KX-NSM104 KX-NSM108 KX-NSM116	SIP 64 ch H.323 32 ch		
	IP Telephone <sup>3</sup> - User License	IP PTs/ KX-UT Series/ IP Softphones	1 ch 5 ch 10 ch 20 ch KX-NSM201 KX-NSM205 KX-NSM210 KX-NSM220	128 ch	
		IP PTs/ KX-UT Series	Up to 4 ch 1 ch 5 ch 10 ch KX-NSM501 KX-NSM505 KX-NSM510		
			SIP Phones		20 ch 1 ch 5 ch 10 ch KX-NSM520 KX-NSM701 KX-NSM705 KX-NSM710 KX-NSM720
Cellular Phone Extension - User License					1 ch 5 ch 10 ch 20 ch KX-NSE101 KX-NSE105 KX-NSE110 KX-NSE120

### SOFTWARE ACTIVATION KEYS (cont.)

COMPONENT	Feature	MODEL NO.	MAXIMUM	
Unified Messaging System	Two-way REC (Recording) Control	KX-NSU002	1 activation key	
	Message Backup	KX-NSU003	1 activation key	
	Unified Messaging Channel	2 ch	Preinstalled	24 UM ports
		2 ch	KX-NSU102	
		4 ch	KX-NSU104	
	Email (IMAP4) Client/IP-CS Channel	<b>User (Mailbox) License</b>		
		1 user	KX-NSU201	500 mailboxes
		5 users	KX-NSU205	
		10 users	KX-NSU210	
		20 users	KX-NSU220	
All users	KX-NSU299			
Two-way Recording/Two-way Transfer	1 user	KX-NSU301	416 users	
	5 users	KX-NSU305		
	10 users	KX-NSU310		
	20 users	KX-NSU320		
Application Solutions	<b>User License</b>			
	CA Basic-Express	All users	Preinstalled	Without CA server 240 users/with CA server 416 users <sup>4</sup>
		1 user	KX-NSA201	
		5 users	KX-NSA205	
		10 users	KX-NSA210	
		128 users	KX-NSA249	
	CA Supervisor	1 user	KX-NSA301	Without CA server 4 users/with CA server 128 users <sup>4</sup>
	CA Operator Console	1 user	KX-NSA401	Without CA server 128 users/with CA server 128 users <sup>4</sup>
	CA Network Plug-in	1 user	KX-NSA901	Without CA server 240 users/with CA server 1,022 users <sup>4</sup>
		5 users	KX-NSA905	
		10 users	KX-NSA910	
		128 users	KX-NSA949	
	CA Thin Client	Thin Client Server Connection	KX-NSA010	1 activation key
	CSTA Multiplexer	Multiple CSTA Connection	KX-NSA020	4 activation keys
	<b>CTI License</b>			
3rd Party CTI link	CTI interface	KX-NSF101	1 activation key	
<b>Partner License</b>				
Application Solutions	Pollys CCAccounting	KX-P-CCACCNT2012	Combined total for licenses: 350/system	
	Pollys CCAccounting A.L. <sup>5</sup>	1-Year Included		
	Pollys CCAccounting Enterprise	KX-P-PYCCAEA		
	Pollys CCAccounting Enterprise A.L. <sup>5</sup>	1-Year Included		
	Pollys CCView	KX-P-CCV2012		
	Pollys CCView A.L. <sup>5</sup>	1-Year Included		
	Pollys CCView add. PBX	KX-P-PYCCAEA		
	Pollys CCView add. PBX A.L. <sup>5</sup>	1-Year Included		
	Pollys CCRRecord SIP (4 ports)	KX-P-PYCCR-SIP-T		
	Pollys CCRRecord SIP A.L. <sup>5</sup> (4 ports)	1-Year Included		
	Pollys CCRRecord LCO or SLT	4 users		KX-P-PCCRRRISET-4A
		8 users		KX-P-PCCRRRISET-8A
		12 users		KX-P-PCCRRRISET-12A
		16 users		KX-P-PCCRRRISET-16A
		24 users		KX-P-PCCRRRISET-24A
	Pollys CCRRecord Analog A.L.	4 users		1-Year Included
		8 users		1-Year Included
		12 users		1-Year Included
		16 users		1-Year Included
	Pollys CCRRecord Digital	24 users		1-Year Included
8 users		KX-P-PCCRRRISE-8D		
16 users		KX-P-PCCRRRISE-16D		
Pollys CCRRecord Digital A.L.	24 users	KX-P-PCCRRRISE-24D		
	8 users	1-Year Included		
Pollys CCRRecord PRI	1 port	KX-P-PCCRRRISET-1		
	2 ports	KX-P-PCCRRRISET-2		
Pollys CCRRecord PRI A.L.	1 port	1-Year Included		
	2 ports	1-Year Included		
Pollys CCView Supervisor	1 user	KX-P-PYCCVS		
	5 users	KX-P-PYCCVSA		
Pollys CCView Supervisor A.L. <sup>5</sup>	1 user	1-Year Included		
	5 users	1-Year Included		
Pollys CCView CRM P-up	1 user	KX-P-PYCCACCV		
	5 users	KX-P-PYCCRM		
Pollys CCView CRM P-up A.L. <sup>5</sup>	1 user	1-Year Included		
	5 users	1-Year Included		
Pollys CCAgent	1 user	KX-P-PYCCACCV		
	5 users	KX-P-PYCCACCVB		
Pollys CCAgent A.L. <sup>5</sup>	1 user	1-Year Included		
	5 users	1-Year Included		

<sup>1</sup>Storage Memory for VM Time, ACD Report, SMDR Expansion

<sup>2</sup>An SD card is necessary to use ACD Reports

<sup>3</sup>IP PTs: KX-NT500/300 series IP proprietary phones

<sup>4</sup>IP Softphones: KX-TDA0350

<sup>5</sup>SIP Phones: KX-NI700 IP Conferencing Phone and third-party SIP phones (SIP hardphones/SIP softphones)

<sup>6</sup>The same number as the maximum number of allowable extensions

<sup>7</sup>Annual Maintenance License

## KX-NS700

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### SPECIFICATIONS

		KX-NS700	KX-NS720
Main CPU		Cortex A8 600 MHz	Cortex A8 300 MHz
Power Input		100 V AC to 130 V AC: 2.2 A/ 200 V AC to 240 V AC: 1.3 A; 50 Hz/60 Hz	
Power Consumption (when fully mounted)		Normal rated power 104 VA	
Memory Backup Duration		7 years	
Dialing	Trunk	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialing	
	Extension	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialing	
Mode Conversion		DP-DTMF, DTMF-DP	
Ring Frequency		20 Hz/25 Hz [selectable]	
Operating Environment	Temperature	0°C to 40°C	
	Humidity	10% to 90% (non-condensing)	
Conference Call Trunk		32-party conference call (10 x 3-party conference call, 4 x 8-party conference call, etc.)	—
Music on Hold (MOH)		Internal MOH port: 8 ports (Level Control: -31.5 dB to +31.5 dB per 0.5 dB) External MOH port: 2 ports (Available exclusively with EPG [External Paging]) MOH: Selectable Internal/ External Music Source port	—
External Paging		Maximum 2 ports (Volume Control: -15.5 dB to +15.5 dB per 0.5 dB) (Available exclusively with MOH)	—
LAN Port	1 (for LAN connection)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	—
Extension Connection Cable	SLT	1-pair wire (T, R)	
	DPT	1-pair wire (D1, D2)	
	APT	2-pair wire (T, R, D1, D2)	
	PT-interface CS	1-pair wire (D1, D2)	
	PT-interface CS (high-density)	4-pair wire (D1, D2)	
	DSS Console and Add-on Key Module	1-pair wire (D1, D2)	
Air-cooling Method		Fan	
Dimensions		17" (W) x 13.25" (D) x 3.5" (H)	
Weight (when fully mounted)		Under 11 lbs	

### 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 (32 parties total)
	COS	64
	DID/DDI Table	32 digits, 1,000 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	64
	Ring Tone Pattern Plan	8
	Simultaneous Programmers	one system programmer + 63 personal programmers
		one manager programmer + 63 personal programmers
		64 personal programmers
	Simultaneous Programmers (Web Maintenance Console)	one Installer level account
		32 User (User) and User (Administrator) level accounts
	SMDR Call Storage	1,000 calls (without SD card)/ 40,000 calls (with SD card)
	Special Carrier Access Code	16 digits, 20 entries
	Tenant	8
	Time Service Holiday	24
	Verification Code	4 digits, 1,000 entries
	Verification Code Personal Identification Number (PIN)	10 digits, 1,000 entries

### SYSTEM FEATURE CAPACITY (cont.)

Dialing	Emergency Call	32 digits, 10 entries
	Hot Line	32 digits
	Key Pad Protocol Dial (ISDN Service Access)	32 digits
	Personal Speed Dialing	32 digits, 100 entries/ext.
	Quick Dialing	8 digits, 4,000 entries
	Redial	32 digits
	System Speed Dialing	32 digits, 1,000 entries/tenant
	One-touch Dialing-PT	32 digits, 5,000 entries/system
One-touch Dialing-PS	32 digits, 1,000 entries/system	
Groups	Conference Group	8 [31 members/group for Conference Group Mode, 31 members/group for Broadcast Model]
	User Group	32
	Call Pickup Group	64
	Idle Extension Hunting Group	64 [16 extensions/group]
	Incoming Call Distribution Group	128 [128 extensions/group]
	Paging Group	32
	PS Ring Group	32
	Trunk Group	64
	UM Group	1
	VM (DPT) Group	2 units x 12 ports [24 channels]
VM (DTMF) Group	2 groups x 32 channels	
P2P Group	32	
TRS/Barring	TRS/Barring Level	7
	TRS/Barring Denied Code	16 digits, 100 entries/level
	TRS/Barring Exception Code	16 digits, 100 entries/level
ARS	Routing Plan Table	48 entries
	Leading Number Table	16 digits, 1,000 entries
	Leading Number Exception Table	16 digits, 200 entries
	ARS Carrier	48
	Itemized Billing Code	10 digits
	Authorization Code for Tenant	16 digits
	Authorization Code for Trunk Group	10 digits
Call Log and Message Waiting	Outgoing Call Log-PT	100 records/ext. 1,520 records/system
	Outgoing Call Log-PS	100 records/ext. 640 records/system
	Incoming Call Log-PT	100 records/ext. 3,040 records/system
	Incoming Call Log-PS + Incoming Call Distribution Group	100 records/ext. or group Total 2,560 records/system
	Message Waiting-PS + Incoming Call Distribution Group	256
	Message Waiting-PT + SLT	256
Voice Message	Outgoing Message (OGM)	64
	OGM Total Recording Time	Approx. 20 minutes
	Built-in Simplified Voice Message (SVM)	125 messages
	SVM Total Recording Time	120 minutes
Hospitality and Charge Management Features	Billing Items for Guest Rooms	1,000 records/PBX (without SD card)/ 10,000 records/PBX (with SD card)
	Hotel Operator	4
	Charge Rate	7 digits including a decimal
	Charge Denomination	3 currency characters/symbols
Networking	TIE Line Routing and Modification Table	32 entries
	Leading Number	3 digits
	PBX Code	7 digits
	NDSS: Monitored PBXs	8
	NDSS: Registered Extensions for Monitor PBX	250
Unified Messaging	Mailboxes	500 subscriber mailboxes 1 System Manager mailbox 1 Message Manager mailbox
	Group Distribution List	User: 4 groups, 40 members per group System: 20 groups, 200 members per group
	Service Group	64 entries
Web Maintenance Console Accounts	Unified Messaging Ports	24 ports
	24 ports Users (User)	492 accounts
	Users (Administrator)	8 accounts
	Installer	1 account
	Password (all account types)	4 - 16 characters

- This spec sheet is for the KX-NS700 Software Version 4.0 or later.
- For the latest information, please refer to the manual.
- Some operations may vary depending on the type of telephone or Activation Key being used.