



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
Total Number of Trunks	0	102	138	174	210
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
Extensions (DXDP)¹	6	166 (168)	198 (208)	230 (248)	262 (288)
Legacy (DXDP) ¹	6	38 (40)	70 (80)	102 (120)	134 (160)
SLT	4	36	68	100	132
DPT (DXDP) ¹	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

¹When 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 ¹	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 ² , 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 ³ - 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 20 ch KX-NSM520 KX-NSM701 KX-NSM705 KX-NSM710 KX-NSM720	
Cellular Phone Extension - User License					Mobile Extension	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	User (Mailbox) License		
		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	User License			
	CA Basic-Express	All users	Preinstalled	Without CA server 240 users/with CA server 416 users ⁴
	CA PRO	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 ⁴
	CA Operator Console	1 user	KX-NSA401	Without CA server 128 users/with CA server 128 users ⁴
	CA Network Plug-in	1 user	KX-NSA901	Without CA server 240 users/with CA server 1,022 users ⁴
		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	
CTI License				
3rd Party CTI link	CTI interface	KX-NSF101	1 activation key	
Partner License				
Application Solutions	Pollys CCAccounting	KX-P-CCACCNT2012	Combined total for licenses: 350/system	
	Pollys CCAccounting A.L. ⁵	1-Year Included		
	Pollys CCAccounting Enterprise	KX-P-PYCCAEA		
	Pollys CCAccounting Enterprise A.L. ⁵	1-Year Included		
	Pollys CCView	KX-P-CCV2012		
	Pollys CCView A.L. ⁵	1-Year Included		
	Pollys CCView add. PBX	KX-P-PYCCAEA		
	Pollys CCView add. PBX A.L. ⁵	1-Year Included		
	Pollys CCRRecord SIP (4 ports)	KX-P-PYCCR-SIP-T		
	Pollys CCRRecord SIP A.L. ⁵ (4 ports)	1-Year Included		
	Pollys CCRRecord LCO or SLT	4 users		KX-P-PCCRRISSET-4A
		8 users		KX-P-PCCRRISSET-8A
		12 users		KX-P-PCCRRISSET-12A
		16 users		KX-P-PCCRRISSET-16A
		24 users		KX-P-PCCRRISSET-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-PCCRRISE-8D		
16 users		KX-P-PCCRRISE-16D		
24 users		KX-P-PCCRRISE-24D		
Pollys CCRRecord Digital A.L.	8 users	1-Year Included		
	16 users	1-Year Included		
	24 users	1-Year Included		
Pollys CCRRecord PRI	1 port	KX-P-PCCRRIST-1		
	2 ports	KX-P-PCCRRIST-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-PYCCSAS		
Pollys CCView Supervisor A.L. ⁵	1 user	1-Year Included		
	5 users	1-Year Included		
Pollys CCView CRM P-up	1 user	KX-P-PYCCACCV		
	5 users	KX-P-PYCRM		
Pollys CCView CRM P-up A.L. ⁵	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. ⁵	1 user	1-Year Included		
	5 users	1-Year Included		

¹Storage Memory for VM Time, ACD Report, SMDR Expansion

²An SD card is necessary to use ACD Reports

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

⁴IP Softphones: KX-TDA0350

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

⁶The same number as the maximum number of allowable extensions

⁷Annual Maintenance License

KX-NS700

DHLCA

EXTN

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	
Groups	One-touch Dialing-PT	32 digits, 5,000 entries/system	
	One-touch Dialing-PS	32 digits, 1,000 entries/system	
	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	
TRS/Barring	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 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	
	Outgoing Message (OGM)	64	
Voice Message	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	
Networking	Charge Denomination	3 currency characters/symbols	
	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.