



System Capacity

Maximum Trunks

The PBX supports the following number of trunks.

Type	KX-NS700	With 1 KX-NS720	With 2 KX-NS720	With 3 KX-NS720
Total Number of Trunks	93	122	151	180
Legacy	29	58	87	116
PRI23	23	46	69	92
Analogue	12	24	36	48
IP	64	64	64	64
H.323	32	32	32	32
SIP	64	64	64	64

Option List

Hardware

Component	Model No.	Installed in
DSP	S (63 resources)	DSP Card Slot
	M (127 resources)	
	L (254 resources)	
Storage Memory ¹	XS (VM Recording Time: 40 hours)	Storage Memory Card Slot
	S (VM Recording Time: 200 hours)	
	M (VM Recording Time: 400 hours)	
Trunk	LC0T6	Trunk/Doorphone Slot
	PRI23	
	DPH2	
Extension	DHLC4	Extension Slot
	DLC8	
	DLC16	
	MCSLC8	
	MCSLC16	
Expansion Master Card	EXP-M	EXP-M Slot
Remote Modem	RMT	RMT Slot

Activation Keys

Component	Model No.	Maximum			
Networking	QSIG Network	KX-NSN002	1 activation key		
System Function	Call Centre Feature	ACD Report ² , Announcement of waiting number for queuing	1 activation key		
	Expansion Capacity	KX-NSF991			
IP Trunk	IP Trunks (H.323/SIP)	2 ch	SIP 64 ch H.323 32 ch		
		4 ch			
		8 ch			
		16 ch			
IP Telephone ³ - User Licence	IP PTs/ KX-UT Series/ IP Softphones	1 ch	128 ch		
		5 ch			
		10 ch			
		20 ch			
		Up to 4 ch		Preinstalled	
		1 ch		KX-NSM501	
	SIP Phones	1 ch		KX-NSM505	
		5 ch		KX-NSM510	
		10 ch		KX-NSM520	
		20 ch		KX-NSM701	
		1 ch		KX-NSM705	
		5 ch		KX-NSM710	
Cellular Phone Extension - User Licence	Mobile Extension	1 ch	416 cellular phone extensions		
		5 ch			
		10 ch			
		20 ch			
IP-CS Channel Expansion	Channel Expansion (from 4 to 8 ch)	1 CS	32 activation key		
		5 CS			
		10 CS			
		20 CS			
Unified Messaging System	Feature		500 mailboxes		
	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	
	User (Mailbox) Licence			416 users	
	E-mail (IMAP4) Client/ E-mail Notification	1 user			KX-NSU201
		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			
	5 users	KX-NSU305			
	10 users	KX-NSU310			
	20 users	KX-NSU320			
	All users	KX-NSU399			

¹ Storage Memory for VM Time, ACD Report, SMDR expansion.

² An SD card is necessary to use ACD Reports.

³ IP PTs: KX-NT500/300 series IP proprietary phones, KX-NT265 IP Softphones: KX-NCS8100, KX-TDA0350

SIP Phones: KX-NT700 IP Conferencing phone and Third Party SIP phones (SIP hardphones/SIP softphones).

⁴ The same number as the maximum number of allowable extensions.

⁵ Annual Maintenance Licence.

Maximum Terminal Equipment

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

Type	KX-NS700	With 1 KX-NS720	With 2 KX-NS720	With 3 KX-NS720
Extensions (DXDP¹)	166 (168)	198 (208)	230 (248)	262 (288)
Legacy (DXDP ¹)	38 (40)	70 (80)	102 (120)	134 (160)
SLT	36	68	100	132
DPT (DXDP ¹)	34 (36)	66 (76)	98 (116)	130 (156)
APT	8	16	24	32
IP	128	128	128	128
IP-PT	128	128	128	128
SIP	128	128	128	128
DSS Console	8	8	8	8
CS	40	48	56	64
DPT-CS (2 ch)	8	16	24	32
DPT-CS (8 ch)	4	8	12	16
IP-CS	32	32	32	32
PS	128	128	128	128
VM				
ESVM (ch)	2	2	2	2
Built-in UM (ch)	24	24	24	24
TVM Unit	2	2	2	2
Doorphone	2	4	6	8
Door Opener	2	4	6	8
External Sensor	2	4	6	8

¹ When Digital XDP is used.

Component	Model No.	Maximum		
User Licence				
CA Basic-Express	All users	Preinstalled		
	1 user	KX-NSA201		
	5 users	KX-NSA205		
	10 users	KX-NSA210		
CA PRO	40 users	KX-NSA240		
	128 users	KX-NSA249		
CA Supervisor	1 user	KX-NSA301		
CA Operator Console	1 user	KX-NSA401		
CA Network Plug-in	1 user	KX-NSA901		
	5 users	KX-NSA905		
	10 users	KX-NSA910		
	40 users	KX-NSA940		
	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 key	
CTI Licence				
3rd Party CTI link	CTI interface	KX-NSF101	1 activation key	
Partner Licence				
Communication Assistant	Poltyx Communication Bridge	KX-NSB0001	16 activation key	
	Poltyx CCAccounting	KX-NSB0004		
	Poltyx CCAccounting A.L. ⁵	KX-NSB0005		
	Poltyx CCAcc. Enterprise	KX-NSB0006		
	Poltyx CCAcc. Enterprise A.L. ⁵	KX-NSB0007		
	Poltyx CCView	KX-NSB0008		
	Poltyx CCView A.L. ⁵	KX-NSB0009		
	Poltyx CCView add. PBX	KX-NSB0010		
	Poltyx CCView add. PBX A.L. ⁵	KX-NSB0011		
	Poltyx Number notice (Poltyx Dialed Number Notification)	KX-NSB0012		
	Poltyx Number notice (Poltyx Dialed Number Notification) A.L. ⁵	KX-NSB0013		
	Poltyx CCRRecord SIP (4 ports)	KX-NSB0014		
	Poltyx CCRRecord SIP A.L. ⁵ (4 ports)	KX-NSB0016		
	Poltyx CA RCS-Start	1 user		KX-NSB0101
		5 users		KX-NSB0105
10 users		KX-NSB0110		
Poltyx CA RCS-Extend	128 users	KX-NSB0149		
	1 user	KX-NSB0201		
	5 users	KX-NSB0205		
	10 users	KX-NSB0210		
Poltyx CCRRecord Analogue	128 users	KX-NSB0249		
	4 users	KX-NSB0404		
	8 users	KX-NSB0408		
	12 users	KX-NSB0412		
	16 users	KX-NSB0416		
	24 users	KX-NSB0424		
	4 users	KX-NSB0504		
	8 users	KX-NSB0508		
Poltyx CCRRecord Analogue A.L. ⁵	12 users	KX-NSB0512		
	16 users	KX-NSB0516		
	24 users	KX-NSB0524		
	24 users	KX-NSB0524		
Poltyx CCRRecord Digital	8 users	KX-NSB0608		
	16 users	KX-NSB0616		
	24 users	KX-NSB0624		
	24 users	KX-NSB0624		
Poltyx CCRRecord Digital A.L. ⁵	8 users	KX-NSB0708		
	16 users	KX-NSB0716		
	24 users	KX-NSB0724		
	24 users	KX-NSB0724		
Poltyx CCRRecord PRI	1 port	KX-NSB0801		
	2 ports	KX-NSB0802		
Poltyx CCRRecord PRI A.L. ⁵	1 port	KX-NSB0901		
	2 ports	KX-NSB0902		
Poltyx CCView Supervisor	1 user	KX-NSB1001		
	5 users	KX-NSB1005		
Poltyx CCView Supervisor A.L. ⁵	1 user	KX-NSB1101		
	5 users	KX-NSB1105		
Poltyx CCView CRM P-up	1 user	KX-NSB1201		
	5 users	KX-NSB1205		
Poltyx CCView CRM P-up A.L. ⁵	1 user	KX-NSB1301		
	5 users	KX-NSB1305		
Poltyx CCAgent	1 user	KX-NSB1401		
	5 users	KX-NSB1405		
Poltyx CCAgent A.L. ⁵	1 user	KX-NSB1501		
	5 users	KX-NSB1505		

Combined total for licences: 350/system

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	
Dialling	Trunk	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)	
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	
Dimension		430 mm (W) x 335 mm (D) x 88 mm (H)	
Weight (when fully mounted)		Under 5.0 kg	

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, 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	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	1000 calls (Without SD card)/40000 calls (With SD card)	
	Special Carrier Access Code	16 digits, 20 entries	
	Tenant	8	
	Time Service Holiday	24	
Verification Code	4 digits, 1000 entries		
Verification Code Personal Identification Number (PIN)	10 digits, 1000 entries		
Dialling	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/extn.	
	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 (31 members/group for Conference Group Mode, 31 members/group for Broadcast Mode)	
	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, 1000 entries	
	Leading Number Exception Table	16 digits, 200 entries	
	ARS Carrier	48	
	Itemised Billing Code	10 digits	
	Authorisation Code for Tenant	16 digits	
Authorisation Code for Trunk Group	10 digits		
Call Log and Message Waiting	Outgoing Call Log—PT	100 records/extn. 1520 records/system	
	Outgoing Call Log—PS	100 records/extn. 640 records/system	
	Incoming Call Log—PT	100 records/extn. 3040 records/system	
	Incoming Call Log—PS + Incoming Call Distribution Group	100 records/extn. or group Total 2560 records/system	
	Message Waiting—PS + Incoming Call Distribution Group	256	
	Message Waiting—PT + SLT	256	
	Outgoing Message (OGM)	64	
	OGM Total Recording Time	Approx. 20 minutes	
Voice Message	Built-in Simplified Voice Message (SVM)	125 messages	
	SVM Total Recording Time	120 minutes	
Hospitality and Charge Management Features	Billing items for guest rooms	1000 records/PBX (Without SD card)/ 10000 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	
	Unified Messaging Ports	24 ports	
Web Maintenance Console Accounts	Users (User)	492 accounts	
	Users (Administrator)	8 accounts	
	Installer	1 account	
Password (all account types)	4 – 16 characters		