



System Capacity

Maximum Trunks

The PBX supports the following number of trunks.

Type	KX-NS1000 Stand-alone System	KX-NS1000 with 1 Legacy Gateway				
		KX-NCP500/1000	KX-TDE100, KX-TDA100	KX-TDA100D	KX-TDE200, KX-TDA200	KX-TDE600/620, KX-TDA600/620
Total Number of Trunks	256	256	256	256	256	256
H.323	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³
SIP ⁴	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³
BRI	8	12 ⁵ /16 ⁶	96	112	128	160
PRI23 ⁴	23	46	92	92	92	115
PRI30 ⁴	30	60	120	120	120	150
T1	N/A	48	96	96	96	120
E1 ⁴	N/A	60	120	120	120	150
Analogue	2 lines	12 lines ⁷ /16 lines ⁶	96 lines	112 lines	128 lines	160 lines

Type	KX-NCP500/1000	KX-NS1000 with 2 Legacy Gateway				KX-NS Series One-Look Networking
		KX-TDE100, KX-TDA100	KX-TDA100D	KX-TDE200, KX-TDA200	KX-TDE600/620, KX-TDA600/620	
Total Number of Trunks	256	256	256	256	256	600
H.323	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	48 ¹ /48 ² /96 ³	96 ² /96 ² /128 ³
SIP ⁴	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256 ¹ /256 ² /160 ³	256
BRI	24 ⁵ /32 ⁶	192	224	256	256	600
PRI23 ⁴	92	184	184	184	230	600
PRI30 ⁴	120	240	240	240	256	600
T1	96	192	192	192	240	600
E1 ⁴	120	240	240	240	256	600
Analogue	24 lines ⁷ /32 lines ⁶	192 lines	224 lines	256 lines	256 lines	600 lines

Maximum Terminal Equipment

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

Type	KX-NS1000 Stand-alone System	KX-NS1000 with 1 Legacy Gateway				
		KX-NCP500/1000	KX-TDE100, KX-TDA100	KX-TDA100D	KX-TDE200, KX-TDA200	KX-TDE600/620, KX-TDA600/620
Telephone	640	640	640	640	640	640
SLT (DXDP ¹)	2	36	128	128	168	240
KX-DT500/KX-T7600 Series DPT (DXDP ¹)	N/A	36 (40)	128	104	128 (256)	168 (256)
KX-T7560/KX-T7565DPT	N/A	36	96	N/A	128	128
Other DPT	N/A	10	32	N/A	128	128
APT	N/A	4	24	N/A	64	80
IP-PT	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³
SIP	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³
SIP Phone	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³
S-PS	255	255	255	255	255	255
DSS Console	N/A	8	8	8	8	64
CS	64	64	64	64	64	64
PT-interface CS (2-channel)	N/A	11	32	26	32	32
PT-interface CS (8-channel)	N/A	5	16	13	16	16
IP-CS	64	64	64	64	64	64
SIP-CS	64	64	64	64	64	64
PS	512	512	512	512	512	512
TVM Unit	N/A	2	2	2	2	2
Doorphone	1	17	17	17	17	17
Door Opener	1	17	17	17	17	17
External Sensor	1	17	17	17	17	17
External Relay	N/A	17	17	17	17	17

Type	KX-NCP500/1000	KX-NS1000 with 2 Legacy Gateway				KX-NS Series One-Look Networking
		KX-TDE100, KX-TDA100	KX-TDA100D	KX-TDE200, KX-TDA200	KX-TDE600/620, KX-TDA600/620	
Telephone	640	640	640	640	640	1000
SLT (DXDP ¹)	72	256	256	336	480	512 (1000)
KX-DT500/KX-T7600 Series DPT (DXDP ¹)	72 (80)	256	208	256 (512)	320 (512)	512 (1000)
KX-T7560/KX-T7565DPT	72	192	N/A	256	256	512
Other DPT	20	64	N/A	256	256	512
APT	8	48	N/A	128	160	336
IP-PT	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	256 ¹ /640 ² /256 ³	1000
SIP	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	1000
SIP Phone	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	640 ¹ /256 ² /384 ³	1000
S-PS	255	255	255	255	255	255
DSS Console	16	16	16	16	64	64
CS	64	64	64	64	64	128
PT-interface CS (2-channel)	22	64	52	64	64	128
PT-interface CS (8-channel)	10	32	26	32	32	64
IP-CS	64	64	64	64	64	128
SIP-CS	64	64	64	64	64	128
PS	512	512	512	512	512	512
TVM Unit	4	4	4	4	4	8
Doorphone	33	33	33	33	33	64
Door Opener	33	33	33	33	33	64
External Sensor	33	33	33	33	33	64
External Relay	33	33	33	33	33	64

¹ When Standard Type is selected for System Capacity Selection in the Easy Setup Wizard ² When IP-Extension Type is selected for System Capacity Selection in the Easy Setup Wizard
³ When System resources Type is selected for System Capacity Selection in the Easy Setup Wizard ⁴ When using the trunk adaptor KX-NS8188/KX-NS8290, the total number including SIP, PRI, and E1 is 256 ch. ⁵ When connected with the KX-NCP500
⁶ When connected with the KX-NCP1000 ⁷ When Digital XDP is used.

Specifications

KX-NS1000			
Main CPU	650 MHz Dual Core	Operating Environment	Temperature 0 °C to 40 °C Humidity 10 % to 90 % (non-condensing)
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	Conference Call Trunk	From 24 x 3-party conference call to 9 x 8-party conference call
Power Consumption (when fully mounted)	50 W (240 V: 132 VA, 200 V: 120 VA, 130 V: 104 VA, 100 V: 95 VA)	Music on Hold (MOH)	1 port (Level Control: -31.5 dB to +31.5 dB per 0.5 dB) MOH: Selectable Internal/External Music Source port
External Backup Battery	External battery port is not supported. Support UPS: USB2.0: 1 port (Connector: Type A)	External Paging	1 port (Volume Control: -15.5 dB to +15.5 dB per 0.5 dB)
Memory Backup Duration	7 years	Serial Interface Port	RS-232C 1 (maximum 115.2 kbps)
Dialling	Trunk	RJ45 Port	MNT Port 1 (for PC connection) LAN Port 1 (for LAN connection) WAN Port 1 (for WAN connection)
	Extension	Extension Connection Cable	SLT 1-pair wire (T, R)
Mode Conversion	DP-DTMF, DTMF-DP	Air-cooling Method	Fan
Ring Frequency	20 Hz/25 Hz (selectable)	Dimension	430 mm (W) x 88 mm (H) x 340 mm (D)
		Weight (when fully mounted)	Under 5.1 kg

Option List for KX-NS1000

Activation Keys

Component		Model No.	
Networking	One-look Network	KX-NSN001	
	QSIG Network	KX-NSN002	
	Router function	KX-NSN101	
	16-Channel IP-VPN (IPsec)	KX-NSN216	
System Function	Call Centre Enhance	KX-NSF201	
	VoIP/Unified Message (UM) for KX-NS300	KX-NSF990	
	Expansion Capacity for KX-NS700	KX-NSF991	
IP Trunk	IP Trunks (H.323/SIP)	2 ch	KX-NSM102
		4 ch	KX-NSM104
		8 ch	KX-NSM108
		16 ch	KX-NSM116
IP Telephone - User Licence	IP Phone Capacity	Up to 50 ch	KX-NSM005
		Up to 100 ch	KX-NSM010
		Up to 300 ch	KX-NSM030
		Up to 640 ch	KX-NSM099
		51 - 100 ch (Expansion from KX-NSM005)	KX-NSX910
		101 - 300 ch (Expansion from KX-NSM010)	KX-NSX930
	IP PTs/ KX-UT Series SIP Phones/ IP Softphones	1 ch	KX-NSM201
		5 ch	KX-NSM205
		10 ch	KX-NSM210
		20 ch	KX-NSM220
	IP PTs/ KX-UT Series SIP Phones	1 ch	KX-NSM501
		5 ch	KX-NSM505
		10 ch	KX-NSM510
		20 ch	KX-NSM520
	SIP Phones	1 ch	KX-NSM701
		5 ch	KX-NSM705
10 ch		KX-NSM710	
20 ch		KX-NSM720	
Cellular Phone Extension - User Licence	Mobile Extension	1 ch	KX-NSE101
		5 ch	KX-NSE105
		10 ch	KX-NSE110
		20 ch	KX-NSE120
IP-CS Channel Expansion	Channel Expansion (from 4 to 8 ch)	1 CS	KX-NSE201
		5 CS	KX-NSE205
		10 CS	KX-NSE210
		20 CS	KX-NSE220
Unified Messaging System	Feature		
	Recording Time Expansion	KX-NSU001	
	Two-way REC (Recording) Control	KX-NSU002	
	Message Backup	KX-NSU003	
	Unified Messaging Channel	2 ch	KX-NSU102
		4 ch	KX-NSU104
	User (Mailbox) Licence		
	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	
Communication Assistant	User Licence		
	CA PRO	1 user	KX-NSA201
		5 users	KX-NSA205
		10 users	KX-NSA210
		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
	CSTA Multiplexer	Multiple CSTA Connection	KX-NSA020
	CTI Licence		
3rd Party CTI Link	CTI interface	KX-NSF101	
Package	Standard (E-mail/Two-way Recording)	1 user	KX-NSP001
		5 users	KX-NSP005
		10 users	KX-NSP010
		20 users	KX-NSP020
		1 user	KX-NSP101
	Advanced (E-mail/Two-way Recording/ Mobile/CA PRO)	5 users	KX-NSP105
		10 users	KX-NSP110
		20 users	KX-NSP120
		1 user	KX-NSP201
	Mobile (E-mail/Mobile)	5 users	KX-NSP205
		10 users	KX-NSP210
		20 users	KX-NSP220

Component		Model No.	
Package	Standard (E-mail/Two-way Recording)	1 user	KX-NSP001
		5 users	KX-NSP005
		10 users	KX-NSP010
		20 users	KX-NSP020
		1 user	KX-NSP101
		5 users	KX-NSP105
	Advanced (E-mail/Two-way Recording/ Mobile/CA PRO)	10 users	KX-NSP110
		20 users	KX-NSP120
		1 user	KX-NSP201
	Mobile (E-mail/Mobile)	5 users	KX-NSP205
		10 users	KX-NSP210
		20 users	KX-NSP220
Partner AK	Poltrys Communication Bridge		KX-NSB0001
	Poltrys CCAccounting		KX-NSB0004
	Poltrys CCAccounting A.L. ^{*1}		KX-NSB0005
	Poltrys CCAcc. Enterprise		KX-NSB0006
	Poltrys CCAcc. Enterprise A.L. ^{*1}		KX-NSB0007
	Poltrys CCView		KX-NSB0008
	Poltrys CCView A.L. ^{*1}		KX-NSB0009
	Poltrys CCView add. PBK		KX-NSB0010
	Poltrys CCView add. PBK A.L. ^{*1}		KX-NSB0011
	Poltrys Number notice (Poltrys Dialed Number Notification)		KX-NSB0012
	Poltrys Number notice (Poltrys Dialed Number Notification) A.L. ^{*1}		KX-NSB0013
	Poltrys CCRRecord SIP (4 ports)		KX-NSB0014
	Poltrys CCRRecord SIP A.L. ^{*1} (4 ports)		KX-NSB0016
	Poltrys CA RCS-Start	1 user	KX-NSB0101
		5 users	KX-NSB0105
		10 users	KX-NSB0110
		128 users	KX-NSB0149
	Poltrys CA RCS-Extend	1 user	KX-NSB0201
		5 users	KX-NSB0205
		10 users	KX-NSB0210
		128 users	KX-NSB0249
	Poltrys CCRRecord Analogue	4 users	KX-NSB0404
		8 users	KX-NSB0408
		12 users	KX-NSB0412
		16 users	KX-NSB0416
		24 users	KX-NSB0424
	Poltrys CCRRecord Analogue A.L. ^{*1}	4 users	KX-NSB0504
		8 users	KX-NSB0508
		12 users	KX-NSB0512
		16 users	KX-NSB0516
Poltrys CCRRecord Digital	8 users	KX-NSB0608	
	16 users	KX-NSB0616	
	24 users	KX-NSB0624	
	16 users	KX-NSB0716	
Poltrys CCRRecord Digital A.L. ^{*1}	8 users	KX-NSB0708	
	16 users	KX-NSB0716	
Poltrys CCRRecord PRI	1 port	KX-NSB0801	
	2 ports	KX-NSB0802	
Poltrys CCRRecord PRI A.L. ^{*1}	1 port	KX-NSB0901	
	2 ports	KX-NSB0902	
Poltrys CCView Supervisor	1 user	KX-NSB1001	
	5 users	KX-NSB1005	
Poltrys CCView Supervisor A.L. ^{*1}	1 user	KX-NSB1101	
	5 users	KX-NSB1105	
Poltrys CCView CRM P-up	1 user	KX-NSB1201	
	5 users	KX-NSB1205	
Poltrys CCView CRM P-up A.L. ^{*1}	1 user	KX-NSB1301	
	5 users	KX-NSB1305	
Poltrys CCAgent	1 user	KX-NSB1401	
	5 users	KX-NSB1405	
Poltrys CCAgent A.L. ^{*1}	1 user	KX-NSB1501	
	5 users	KX-NSB1505	

*1 Annual Maintenance Licence.

Hardware

Component		Model No.
DSP	S (63 resources)	KX-NS0110
	M (127 resources)	KX-NS0111
	L (254 resources)	KX-NS0112
Storage Memory	S (VM Recording Time: 200 hours)	KX-NS0135
	M (VM Recording Time: 450 hours)	KX-NS0136
	L (VM Recording Time: 1000 hours)	KX-NS0137
Free	Stacking Master Card for Legacy Gateway	KX-NS0130
	SLC2/LCOT2 (2-Port SLT/2-Port Analogue Trunk)	KX-NS0180
	SLC2/BR14 (2-Port SLT/4-Port BRI)	KX-NS0280
	SLC2/PRI (2-Port SLT/PRI)	KX-NS0290
FAX	FAX Interface	KX-NS0106
Doorphone	Doorphone Interface	KX-NS0161

Option List for Legacy Gateways

Hardware

Component	Model	Legacy Gateway			
		KX-NCP500/1000	KX-TDE100/200, KX-TDA100/200	KX-TDA100D	KX-TDE600/620, KX-TDA600/620
Legacy Gateway	Stacking Card for KX-NCP Series	KX-NS0131			
	Stacking Card for KX-TDE/TDA Series	KX-NS0132	-		
Physical Trunk	4-Port Analogue	KX-NCP1180			
	T1	KX-NCP1187			
	E1	KX-NCP1188			
	2-Port BRI	KX-NCP1280			
	PRI	KX-NCP1290			
	8-Port Analogue	KX-TDA0180			
	16-Port Analogue	KX-TDA0181			
	8-Port DID	KX-TDA0182			
	4-Port Analogue	KX-TDA0183			
	8-Port E & M	KX-TDA0184			
	T1	KX-TDA0187			
	E1	KX-TDA0188			
	4-Port BRI	KX-TDA0284			
	8-Port BRI	KX-TDA0288			
	PRI	KX-TDA0290			
	8-Port Analogue Trunk with CID	KX-TDA1180			
	8-Port Analogue Trunk with CID Daughter	KX-TDA1186			
	16-Port Analogue Trunk w/o CID	KX-TDA6381			
	16-Port Analogue Trunk with CID16	KX-TDA6382			
	Physical Extension	4-Port Digital Hybrid Extension	KX-NCP1170		
8-Port Digital Extension		KX-NCP1171			
16-Port Digital Extension		KX-NCP1172			
8-Port Single Line Telephone Extension		KX-NCP1173			
16-Port Single Line Telephone Extension		KX-NCP1174			
4 Cell Station Interface		KX-TDA0143			
8 Cell Station Interface		KX-TDA0144			
8-Port Digital Hybrid Extension		KX-TDA0170			
8-Port Digital Extension		KX-TDA0171			
16-Port Digital Extension		KX-TDA0172			
8-Port Single Line Telephone Extension		KX-TDA0173			
16-Port Single Line Telephone Extension		KX-TDA0174			
16-Port Single Line Telephone Extension with Message Lamp		KX-TDA0175			
16-Port Single Line Telephone Extension with Caller ID		KX-TDA0177			
16-Port Single Line Telephone Extension with Caller ID and Message Lamp		KX-TDA1176		*1	
24-Port Single Line Telephone Extension with Caller ID and Message Lamp		KX-TDA1178		*2	
16-Port Single Line Telephone Extension		KX-TDA6174			
16-Port Single Line Telephone Extension with Message Lamp		KX-TDA6175			
24-Port Single Line Telephone Extension with Caller ID		KX-TDA6178			
24-Port Single Line Telephone Extension with Caller ID and Message Lamp		KX-TDA6179			*2
Others	Optional 3-Slot Base	KX-NCP1190			
	4-Port Doorphone	KX-TDA0161			
	2-Port Doorphone (German Type)	KX-TDA0162			
	4-Port External Input/Output	KX-TDA0164			
	16-Channel Echo Canceller	KX-TDA0166			
	Extension Caller ID	KX-TDA0168			
	8-Port Caller ID/Pay Tone	KX-TDA0189			
	Optional 3-Slot Base	KX-TDA0190			
	16-Channel Echo Canceller	KX-TDA6166			
	PSUs	L-Type Power Supply Unit	KX-TDA0103		
M-Type Power Supply Unit		KX-TDA0104			
S-Type Power Supply Unit		KX-TDA0108			*4

*1 KX-TDE100/200 only. *2 KX-TDE600/620 only. *3 KX-TDE200/TDA200 only. *4 KX-TDE100/TDA100 only.

Compatible Panasonic Equipment

The KX-NS1000 supports the following equipment:

Cell Stations

- DECT 8 Channel IP Cell Station Unit (KX-NCP0158CE)
- DECT 4 Channel IP Cell Station Unit (KX-NS0154CE)
- DECT Cell Station Unit (KX-UDS124)

Doorphones

- Doorphone (KX-T30865, KX-T7765)

Telephones

- Panasonic Proprietary Telephones
 - IP proprietary telephones (e.g., KX-NT500 series, KX-NT300 series)
 - IP softphones (e.g., KX-NC58100)
 - Portable stations (e.g., KX-TCA385, KX-TCA285)
- 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-NT700)
 - Third party SIP phones (SIP hardphones/SIP softphones)
- Other
 - Single line telephones

Adaptors

- E1 Trunk Adaptor (KX-NS8188X)
- PRI Adaptor (KX-NS8290CE, KX-NS8290X)

Incompatible Panasonic Equipment

The following Panasonic proprietary telephones are not available even if a legacy gateway is connected:

- KX-NT136 IP proprietary telephone
- KX-HGT100 SIP telephone
- KX-NT400 IP proprietary telephone
- KX-TDA0300 PC Console
- KX-T7000 series proprietary telephone
- KX-T7200 series proprietary telephone
- KX-T7300 series 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.

If a legacy gateway is connected to a KX-NS1000, the following equipment is also supported.

Cell Stations

DECT

- 2-Channel Cell Station Unit (KX-TDA0141CE)
- 4-Channel Cell Station Unit (KX-TDA0142CE)
- 2-Channel Cell Station Unit (KX-TDA0155CE)
- 2-Channel Cell Station Unit (KX-TDA0155LA)
- 4-Channel Cell Station Unit (KX-TDA0156CE)
- 8-Channel High-density Cell Station Unit (KX-TDA0158CE)

2.4 GHz CS

- 2-Channel Cell Station Unit (KX-TDA0141)
- 3-Channel Cell Station Unit (KX-TDA0142)
- 2-Channel Cell Station Unit (KX-TDA0151)
- 3-Channel Cell Station Unit (KX-TDA0152)

Telephones

- Panasonic Proprietary Telephones
 - Digital Proprietary Telephone (e.g., KX-DT500 series, KX-T7400 series, KX-T7500 series, and KX-T7600 series)
 - Portable Station (e.g., KX-TD7600 series)
 - DSS Console (e.g., KX-DT590)
 - Analogue Proprietary Telephone (e.g., KX-T7700 series)

Voice Processing System

- Voice Processing System (e.g., KX-TVM series)

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 96 parties total per KX-NS1000 PBX 32 parties total per legacy gateway
	COS	512
	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 port
	Multiple Subscriber Number (MSN)	10 entries per ISDN-BRI port
	Number of Characters of Name	20
	Printing message	8
	Queuing Time Table	128
	Ring Tone Pattern Plan	8
	Simultaneous Programmers (PT Programming)	• one manager programmer + 63 personal programmers • 64 personal programmers
	Simultaneous Programmers (Web Maintenance Console)	• one installer level account • 32 User and Administrator level accounts
	SMDR Call Storage	1000 calls
	Special Carrier Access Code	16 digits, 100 entries
	Tenant	32 / 128 ¹
	Time Service Holiday	24
	Verification Code	4 digits, 1000 entries
	Verification Code Personal Identification Number (PIN)	10 digits, 1000 entries
	Emergency Call	32 digits, 10 entries
	Dialling	Hot Line
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 or 32 digits, 300 entries/tenant ²
One-touch Dialling—PT		32 digits, 5000 entries/system
One-touch Dialling—PS		32 digits, 1000 entries/system
Conference Group		8 (31 members/group for Conference Group Mode, 31 members/group for Broadcast Mode)
User Group		256
Call Pickup Group		96
Groups		Idle Extension Hunting Group
	Incoming Call Distribution Group	128 (128 extensions/group)
	Paging Group	96
	PS Ring Group	32
	Trunk Group	96
	UM Group	1 group per PBX
	VM (DPT) Group	8 groups x 12 ports (24 channels)
	VM (DTMF) Group	8 groups x 32 channels
	P2P Group	256

¹ Only When System resources Type is selected in the Easy Setup Wizard.

² The total number of administrator and user accounts combined cannot exceed 1512.

	Item	Capacity
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	128
	Itemised Billing Code	10 digits
Call Log and Message Waiting	Authorisation Code for Tenant	16 digits
	Authorisation Code for Trunk Group	10 digits
	Outgoing Call Log—PT	100 records/extn. 5000 records/system
	Outgoing Call Log—PS	100 records/extn. 2560 records/system
	Incoming Call Log—PT	100 records/extn. 10,000 records/system
	Incoming Call Log—PS + Incoming Call Distribution Group	100 records/extn. or group Total 5120 records/system
	Message Waiting—PS + Incoming Call Distribution Group	640
	Message Waiting—PT + SLT	1,000
	Outgoing Message (OGM)	64
	OGM Total Recording Time	Approx. 64 minutes
Outgoing Message (OGM)	Billing items for guest rooms	4000 records/PBX
	Hotel Operator	4
	Charge Rate	7 digits including a decimal
Hospitality and Charge Management Features	Charge Denomination	3 currency characters/symbols
	One-look Networking	1 Master unit 15 Slave units
Networking	Stacking connection (Legacy Gateway)	8 (One-look Networking)
	E1 trunk/PR1 adaptor	16
	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	1022 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	30 ports
Web Maintenance Console Accounts	Users (User)	1512 accounts ²
	Users (Administrator)	32 accounts
	Installer	1 account
Password (all account types)	4 – 16 characters	

Feature List

1. Call Handling Features

Incoming Call Features

- Direct In Line (DIL)
- Direct Inward Dialling (DID)/Direct Dialling In (DDI)
- Multiple Subscriber Number (MSN) Ringing Service
- Calling Line Identification (CLI) Distribution
- Intercept Routing
- Intercept Routing—No Destination
- Internal Call Features
- Internal Call Block
- Incoming Call Indication Features
- Ring Tone Pattern Selection
- Call Waiting
- Receiving Call Features
- Idle Extension Hunting
- Incoming Call Distribution Group Features
- Group Call Distribution
- Outside Destinations in Incoming Call Distribution Group
- Queuing Feature
- Distribution Order
- VIP Call
- Overflow Feature
- Log-In/Log-out
- Supervisory Feature
- Supervisory Feature (ACD)

Call Forwarding (FWD)/Do Not Disturb (DND) Features

- Call Forwarding (FWD)
- Do Not Disturb (DND)
- FWD/DND Button, Group FWD Button

Answering Features

- Line Preference—Incoming
- Call Pickup
- Hands-free Answerback

Making Call Features

- Predialling
- Automatic Extension Release
- Intercom Call
- Trunk Call Features
- 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 Features

- One-touch Dialling
- Last Number Redial
- Speed Dialling—Personal/System
- Quick Dialling
- Hot Line

Toll Restriction (TRS)/Call Barring (Barring) Features

- Toll Restriction (TRS)/Call Barring (Barring)
- Budget Management
- Extension Dial Lock
- Dial Tone Transfer
- Walking COS
- Verification Code Entry

Automatic Route Selection (ARS) Features

- Automatic Route Selection (ARS)
- Primary Directory Number (PDN)/Secondary Directory Number (SDN) Features
- Primary Directory Number (PDN)/Secondary

Directory Number (SDN) Extension

Busy Line/Busy Party Features

- Automatic Callback Busy (Camp-on)
- Executive Busy Override
- Call Monitor

Second Call Notification to Busy Extension

- Call Waiting Tone
- Off-hook Call Announcement (OHCA)
- Whisper OHCA

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
- One-numbered Extension

Transferring Features

- Call Transfer
- SIP Refer Transfer

Holding Features

- Call Hold
- Call Park
- Call Splitting
- Music on Hold

Conference Features

- Conference
- Privacy Release

Conference Group Call Features

- Conference Group Call
- Direct Inward System Access (DISA) Features

- Direct Inward System Access (DISA) Features
- Automatic Fax Transfer

Paging Features

- Paging
- Trunk Answer From Any Station (TAFAS)

External Device Features

- Doorphone Call
- Door Open
- External Sensor
- External Relay Control

Caller ID Features

- Caller ID
- Incoming Call Log

Message Features

- Message Waiting
- Absent Message

Proprietary Telephone (PT) Hardware Features

- Fixed Buttons
- Flexible Buttons
- LED Indication
- Display Information

Administrative Information Features

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

Printing Message

- Call Charge Services

Hospitality Features

- Room Status Control
- Call Billing for Guest Room

Extension Controlling Features

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

Enhanced Walking Extension

- Walking Extension—Home position control
- Timed Reminder

Audio Tone Features

- Dial Tone
- Confirmation Tone

Computer Telephony Integration (CTI) Features

- Computer Telephony Integration (CTI)
- CA (Communication Assistant)

Integration with Communication Bridge

Cellular Phone Features

- Miscellaneous Features
- Background Music (BGM)
- Outgoing Message (OGM)

2. Unified Messaging System

Unified Messaging System Administration

- System Administration
- Automatic Configuration of Mailboxes
- 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 Attendee (AA)
- Automatic Two-way Recording for Manager
- Broadcasting Messages
- Call Services
- Call Transfer to Outside
- Caller ID Call Routing
- Caller ID Screening
- Caller Name Announcement
- Class of Service (COS)
- Company Greeting
- Company Name
- Covering Extension
- Custom Service
- Dialling by Name
- Emergency Greeting
- Extension Group
- Fax Service
- Hold
- Holiday Service
- 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 Waiting Notification—E-mail Device
- Message Waiting Notification—Lamp
- Message Waiting Notification—Telephone Device
- Multilingual 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
- Subscriber Features
- Auto Receipt
- Automatic Fax Delivery
- Automatic Login
- Autoplay New Message
- Bookmark
- Call-through Service
- Call Transfer Scenario
- Call Transfer Status
- Callback Number Entry
- Caller ID Callback
- Delete Message Confirmation
- Direct Service Access
- External Message Delivery Service
- Fax Cover Page
- Fax Driver
- Fax Forwarding to a Mailbox
- Group Distribution Lists
- Incomplete Call Handling Service
- Live Call Screening (LCS)
- Mailbox
- Mailbox Capacity Warning
- Manager Service Switching
- Message Transfer
- Personal Custom Service
- Personal Greetings
- Private Message
- Recover Message
- Remote Absent Message
- Remote Call Forwarding Set
- Send to Fax Machine
- Subscriber Tutorial
- Timed Reminder Setting
- 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
- SIP Server Failover
- Direct SIP Connection
- Integrated Services Digital Network (ISDN) Service Features
- Calling/Connected Line Identification Presentation (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
- 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/CNPN)—by QSIG
- Call Forwarding (CF)—by QSIG
- Call Transfer (CT)—by QSIG
- Completion of Calls to Busy Subscriber (CCBS)—by QSIG
- QSIG 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—System

- Class of Service (COS) Group
- Tenant Service
- Time Service
- Operator Features
- Manager Features

System Configuration—Extensions

- SIP Proprietary Telephone (IP-PT)
- SIP (Session Initiation Protocol) Extension
- 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) Connection
- PS Ring Group
- PS Directory
- PS Feature Buttons
- Wireless XDP Parallel Mode
- Virtual PS
- ISDN Extension Features
- ISDN Extension
- IP-CS (KX-NS0154)

Legacy Device Connection

- Slacking Connection
- Trunk Adaptor Connection

E-mail Notification Features

- E-mail Notification for Extension Users
- E-mail Notification of System-level Events
- E-mail Notification for Manager

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
- PING Confirmation

Design and specifications are subject to change without notice.

KX-NS10E-SP 14111TP-9



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