Panasonic

KX-NS700
UNIFIED COMMUNICATIONS PLATFORM

GREATER FLEXIBILITY. HIGHER QUALITY COMMUNICATIONS.

For any small or medium-sized business looking to take advantage of Panasonic's reputation for quality technology, without needing a huge budget, the new KX-NS700 unified communications solution provides the answers. Easy to install and maintain, this smart hybrid PBX is a cost-effective legacy and IP communication system for companies with up to 250 users in a single site that can be flexibly configured and expanded according to the specific requirements of their business.

The KX-NS700 has advanced features and starts from only 6 extensions, up to 288 extensions with Expansion Units. It is also a unified communications system which has rich IP features, such as mobile linking, integrated voicemail and e-mail, instant messaging (chat), and presence information.

It can also use built-in applications such as a call centre solution, mobile solution and voicemail system to provide more efficient work, increased customer satisfaction and reduced cost of ownership.

KEY FEATURES

- Smart hybrid PBX system for small and medium-sized businesses
- Expand from 6 extensions, up to 288 extensions with Expansion Units
- Cost-effective installation and operation
- Built-in applications include call centre solution, mobile solution and voicemail

KX-NT556 - IP Terminal

KX-TCA385 - DECT Phone

KX-NT560 - IP Terminal

THE SYSTEM THAT GROWS WITH YOUR BUSINESS

BUILT-IN AUTO ATTENDANT

As a standard feature, the KX-NS700 can connect customers to the appropriate section or operator according to their query in call routing with voice guidance. It can also prompt the customers to leave a voice message when the operator is away.

USE EXISTING RESOURCES

Existing analogue PTs and digital PTs from Panasonic can continue to be used, enabling a system to be replaced at a low cost without wasting resources.

ENHANCED VOICEMAIL

The KX-NS700 can be expanded to a voicemail system that can record a maximum of 24 channels at the same time and store up to 400 hours. It also sends an email to notify users when they have new voice messages. The messages can also be received as attachment files and forwarded. Email notification can also be sent for missed calls where the customer did not leave a message, enabling users to quickly contact the customer.

CALL CENTRE SOLUTION

The KX-NS700 includes an advanced call routing function for small to medium-sized call centres. This function can be used without an external CTI server. More efficient call reception enables you to effectively utilise limited resources to assist in improving customer service.

AUTO-RECORDING AND BACKING-UP CONVERSATIONS

The voicemail system function can be used to automatically record conversations with customers. The recorded voice data can be automatically saved to USB memory or an external server via the internet, and listened when required. The data can be used to understand problems or opportunities relating to customer service.

COMPATIBLE WITH MODERN, STYLISH PHONES

Using Panasonic's latest KX-TCAx85 Series wireless phone, KX-DT5xx Series digital desktop phones and KX-NT5xx Series IP phones. Also, you can use a wide range of external applications from our third-software developers partners.

SPECIFICATIONS

Items		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; 50 Hz/60Hz	
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 (excluding 19'' rack mounting equipment)	

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		**102**	**138**	**174**	**210**
Legacy		38	74	110	146
	BRI	16	32	48	64
	PRI30	30	60	90	120
	Analogue	12	24	36	48
IP		64	64	64	64
	H.323	32	32	32	32
	SIP	64	64	64	64

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
Extension (DXDP*1)		**166 (168)**	**198 (208)**	**230 (248)**	**262 (288)**
Legacy (DXDP*1)		38 (40)	70 (80)	70 (80)	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 (2ch)		8	16	24	32
DPT-CS (8ch)		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

Pre-Install		KX-NS700	With 1 KX-NS720	With 2 KX-NS720	With 3 KX-NS720
Trunk					
Legacy		0	0	-	-
	BRI	0	0	-	-
	PRI30	0	0	-	-
	Analogue	0	0	-	-
IP		0	0	-	-
	H323	0	0	-	-
	SIP	0	0	-	-
Extensions					
Legacy		6	0	-	-
	SLT	4	0	-	-
	DPT	2	0	-	-
	PFT I/F	2	0	-	-
	Music on Hold Internal (MOH)	8 ports	0	-	-
	Music on Hold External (MOH)	2 ports (available exclusively with EP)	0	-	-
	External Paging (EP)	2 ports (available exclusively with MOH)	0	-	-
IP		0	0	-	-
	IPPT	0	0	-	-
	SIP	0	0	-	-

*1 When Digital XDP is used.

SYSTEM FEATURE CAPACITY

Category	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 / Ring Tone Pattern Plan / Tenant	8
	Queuing Time Table	64
	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
	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 / Redial	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
	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 / Paging Group / PS Ring Group / P2P Group	32
	Call Pickup Group	64
	Idle Extension Hunting Group	64 (16 extensions/group)
	Incoming Call Distribution Group	128 (128 extensions/group)
	Trunk Group	64
	UM Group	1
	VM (DPT) Group	2 units x 12 ports (24 channels)
	VM (DTMF) Group	2 groups x 32 channels
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 / • Message Waiting—PT + SLT	256
Voice Message	Outgoing Message (OGM)	64
	OGM Total Recording Time	Approx. 20 minutes
	Build-in Simplified Voice Message (SVM)	125 messages
	SVM Total Recording Time	120 minutes
Hospitality and Charge Manage- ment 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

- 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. Please consult a Panasonic sales company for details.

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http://business.panasonic.co.uk/communication-solutions

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