

Panasonic

**GREATER FLEXIBILITY
HIGHER QUALITY COMMUNICATION**

KX-NS700 UNIFIED COMMUNICATIONS PLATFORM



CONNECTING YOUR FUTURE

REDUCE
COSTS

INCREASE
SATISFACTION

IMPROVE
EFFICIENCY





CHOOSE THE SMART HYBRID PBX SYSTEM THAT CAN GROW THE WAY YOU WANT

Looking to reduce your operational and capital costs through high-quality, flexible communications? Want technology that can increase the return on your investment and the mobility of even the smallest of workforces? The new smart hybrid IP PBX KX-NS700 from Panasonic delivers all of this – and much more.

Designed specifically for small or medium-sized businesses looking to take advantage of Panasonic's reputation for quality technology, without needing a huge budget, the KX-NS700 unified communications solution is a small system with the ability to manage big future growth.

Easy to install and maintain, it 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, making it the ideal alternative to cloud-based solutions.

ONE FLEXIBLE SYSTEM MULTIPLE COMMUNICATIONS CAPABILITIES

SMART HYBRID SYSTEM

The system has sufficient capacity for legacy and IP ports, and Expansion Cabinets can be used to expand the system when you want. It can even connect to the Panasonic KX-NS1000 system to create a small, medium and enterprise solution.

ADVANCED, RICH FEATURES

The system 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.

CALL CENTRE SOLUTION

The KX-NS700 can support the needs of supervisors in call centres, such as queue announcements, live status monitoring, activity reports, automatic conversation recording and Network Attached Storage (NAS).

SIMPLIFIED INSTALLATION AND MAINTENANCE

The installer can easily programme everything related to functions such as PBX and VM, thanks to a built-in web server. Programming can even be carried out remotely.

THE BUSINESS BENEFITS TO YOU

CUT COSTS AND INCREASE ROI

- Expandability to grow with your business
- Backwards compatibility for low-cost integration
- IP networking for cost-effective communications

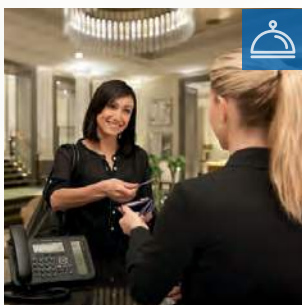
INCREASE CUSTOMER SATISFACTION

- Wireless solution to answer calls anywhere on your premises
- Mobile phone integration to receive customer calls anywhere
- Voicemail solution to ensure no call is missed

IMPROVE EFFICIENCY

- Built-in DISA to transfer calls without an operator
- Call centre solution for streamlined professional operations
- Call Monitoring and Reporting for better customer management

PROVEN SOLUTIONS FOR A RANGE OF INDUSTRIES



HOSPITALITY

To deliver outstanding customer service in the hospitality sector, your staff need the support of effective and always-available communications technology. The KX-NS700 offers both. Comprehensive system management, PC integration and the flexibility to provide mobile communications throughout your business mean you're able to work more efficiently than ever before and your customers enjoy the most convenient, comfortable experience possible.



HEALTHCARE

In healthcare environments, consistent, clear communications are critical. The KX-NS700 is a solution that allows your staff to access easy-to-use technology and remain in constant contact with other team members and patients or residents, wherever they are. Equally valuable is its ability to integrate with your existing care applications, such as emergency call systems.



OFFICE ENVIRONMENTS

Perfect for supporting office functions across your business, the KX-NS700 incorporates mobile telephony, desk-based phones and highly configurable voicemail systems to ensure that staff stay connected, wherever they're working. Combined, they improve functionality, reduce costs, simplify administration and enhance customer service.



THE COST-SAVING SOLUTION

THE ABILITY TO REDUCE YOUR COSTS AND INCREASE THE ROI ON YOUR COMMUNICATIONS TECHNOLOGY ARE TWO REASONS WHY THE KX-NS700 IS IDEAL FOR A BUSINESS LIKE YOURS. AND THOSE COST ADVANTAGES ARE DELIVERED IN A NUMBER OF WAYS.

EXPANDABILITY AND BACKWARDS COMPATIBILITY

The system is expandable, with optional cards and expansion cabinets. Equally, you can continue to use existing Panasonic Digital Proprietary Phones (DPT), Panasonic Analogue Proprietary Phones (APT) and Single Line Telephones (SLTs)*. So your initial investment costs only involve the purchase of the system and you can retain your KX-NS700 in the future when you're looking to increase capacity.

IP NETWORKING

You're able to construct a hybrid system that combines IP and legacy lines, and can connect to IP phones in a remote office, further reducing your costs. Equally, VoIP capabilities mean you can talk to remote offices, wherever they might be, without incurring telephone charges.

* Please check compatibility in the relevant spec sheet.







INCREASING CUSTOMER SATISFACTION

A SMARTER COMMUNICATION SYSTEM ALLOWS A BUSINESS TO DELIVER BETTER CUSTOMER SERVICE – LEADING TO INCREASED CUSTOMER SATISFACTION. THE KX-NS700 HAS A RANGE OF FEATURES TO DO EXACTLY THAT.

WIRELESS SOLUTION

Multi-zone wireless connectivity means you can receive calls wherever you are on your premises. So waiting times are reduced and customers speak to the right person at the right time. You can also switch easily between desk phones and portable devices during conversations. Finally, DECT paging allows conversations to be shared among multiple participants.

MOBILE PHONE INTEGRATION

There's no need for you to have multiple contact numbers for people who also use a cellular phone. The KX-NS700 includes features for integrating cellular phones and smartphones with your office communications network, allowing mobile terminals (including smartphones and softphones) to be used just like office extensions – making and receiving calls and using system short-dialling codes from mobile devices.

SIMULTANEOUSLY RECEIVING CALLS WITH GROUPED PHONES

Up to four cellular phones can be assigned as members of an Incoming Call Distribution (ICD) group, and receive calls to the group. Calls to the extension in the office can be received simultaneously on cellular phones. This enables a member of the group to handle calls when the main contact person is away.

VOICEMAIL SOLUTION

The KX-NS700 allows you to record up to 400 hours of voicemail, and receive email notifications whenever a call is missed or voicemail left. Also, thanks to a Microsoft Outlook plug-in, users can access the contents of their mailboxes in the same way they do for email.



IMPROVING WORK EFFICIENCY

BY STREAMLINING YOUR OPERATIONS AND MAKING COMMUNICATIONS MORE STRAIGHTFORWARD, YOU IMPROVE THE EFFICIENCY OF YOUR BUSINESS IN EVERY ASPECT OF THE WORKING DAY. THE KX-NS700 HAS A NUMBER OF FEATURES DESIGNED TO DRIVE EFFICIENCY AND ENHANCE THE WAY YOU OPERATE.

CALL CENTRE SOLUTION

Whatever the size of your business, using a call centre of similar size can increase the efficiency of your operations. The KX-NS700 includes a call routing function that allows you to connect to a call centre without the need for an external CTI server.

AUTOMATIC VOICE GUIDANCE

By letting callers know where they are in a queue through voice guidance, they can decide whether to wait, leave a message or hang up. This improves their experience of your business and maintains satisfaction at the service they're receiving.

MONITORING CALLERS AND CALL HISTORY REPORTS

To ensure better customer management, your supervisors can monitor the status of live callers, agents and other group members. In this way, they can better understand any on-site problems and improve the operations of your call centre.



TERMINAL LINE-UP

THE KX-NS700 UNIFIED COMMUNICATIONS PLATFORM IS COMPATIBLE WITH A WIDE SELECTION OF PANASONIC'S LATEST GENERATION OF DESKTOP AND DECT PHONES.



IP HANDSETS



KX-NT560

Executive IP phone

- 4.4" LCD display with backlighting
- 32 (8x4) freely programmable function keys
- High-quality wideband voice transmission
- Integrated Bluetooth®
- 2x 1Gb Ethernet ports
- Power-over-Ethernet (PoE)
- Eco Mode



KX-NT556/KX-NT553

Executive IP phone

- 6-line backlit LCD display (3 lines for KX-NT553)
- 36 (12x3) KX-NT556/24 (12x2) KX-NT553 self-labelling, flexible CO buttons
- 2x 1Gb Ethernet ports
- Power-over-Ethernet (PoE)
- Eco Mode



KX-NT546/KX-NT543

Standard IP phone

- 6-line display with backlighting (3 lines for KX-NT543)
- 24 freely programmable function keys
- High-quality wideband voice transmission
- Plantronics wireless headset Electronic Hook Switch (EHS)-compatible
- 2x 100Mb Ethernet ports
- Power-over-Ethernet (PoE)
- Eco Mode



KX-NT551

Standard IP phone

- 1-line backlit LCD display
- 8 flexible CO buttons
- 2x 1Gb Ethernet ports
- Power-over-Ethernet (PoE)
- Eco Mode



DIGITAL HANDSETS



KX-DT546/KX-DT543

Premium digital proprietary telephone

- 6-line backlit LCD display (3 lines for KX-DT543)
- 24 freely programmable function keys
- Electronic Hook Switch (EHS)
- Speaker phone, handset and headset with full duplex



KX-DT521

Standard digital proprietary telephone

- 1-line graphical LCD with backlighting
- 8 freely programmable function keys
- Speaker phone, handset and headset with full duplex

DECT CORDLESS HANDSETS



KX-TCA185

Professional DECT handset for efficient performance

- 1.8" colour LCD
- Noise reduction
- DECT paging
- Vibration



KX-TCA285

Slim and light DECT handset for highly active environments

- 1.8" colour LCD
- Noise reduction
- DECT paging
- Vibration
- Built-in Bluetooth®



KX-TCA385

Tough and durable DECT handset for every environment

- 1.8" colour LCD
- IP65 compliant dust protection and splash resistance
- Noise reduction
- DECT paging
- Vibration
- Built-in Bluetooth®



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) M (127 resources) L (254 resources)	DSP Card Slot
Storage Memory ¹	XS (VM Recording Time: 40 hours) S (VM Recording Time: 200 hours) M (VM Recording Time: 400 hours)	Storage Memory Card Slot
Trunk	LC0T6 PRI23 DPH2	Trunk/Doorphone Slot
Extension	DHLC4 DLC8 DLC16 MCSLC8 MCSLC16	Extension Slot
Expansion Master Card	EXP-M	EXP-M Slot
Remote Modem	RMT	RMT Slot

Activation Keys

Component	Model No.	Maximum
Networking	QSIG Network	1 activation key
System Function	Call Centre Feature	1 activation key
	Expansion Capacity	
IP Trunk	IP Trunks (H.323/SIP)	SIP 64 ch H.323 32 ch
IP Telephone ³ - User Licence	IP PTs/ KX-UT Series/ IP Softphones	128 ch
	IP PTs/ KX-UT Series	
	SIP Phones	
Cellular Phone Extension - User Licence	Mobile Extension	416 cellular phone extensions
IP-CS Channel Expansion	Channel Expansion (from 4 to 8 ch)	32 activation key
Unified Messaging System	Feature	
	Two-way REC (Recording) Control	1 activation key
	Message Backup	1 activation key
	Unified Messaging Channel	24 UM Ports
	User (Mailbox) Licence	
	E-mail (IMAP4) Client/ E-mail Notification	500 mailboxes
	Two-way Recording/ Two-way Transfer	416 users

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
IVM 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
CA PRO	1 user 5 users 10 users 40 users 128 users	without CA server 240 users/ with CA server 416 users ⁴
CA Supervisor	1 user	without CA server 4 users/ with CA server 128 users ⁴
CA Operator Console	1 user	without CA server 128 users/ with CA server 128 users ⁴
CA Network Plug-in	1 user 5 users 10 users 40 users 128 users	without CA server 240 users/ with CA server 1022 users ⁴
CA Thin Client	Thin Client Server Connection	1 activation key
CSA Multiplexer	Multiple CSA Connection	4 activation key
CTI Licence		
3rd Party CTI link	CTI interface	1 activation key
Partner Licence		
Polys Communication Bridge		16 activation key
Polys CCAccounting		
Polys CCAccounting A.L. ⁵		
Polys CCAcc. Enterprise		
Polys CCAcc. Enterprise A.L. ⁵		
Polys CView		
Polys CView A.L. ⁵		
Polys CView add. PBX		
Polys CView add. PBX A.L. ⁵		
Polys Number notice (Polys Dialed Number Notification)		
Polys Number notice (Polys Dialed Number Notification) A.L. ⁵		
Polys CRecord SIP (4 ports)		
Polys CRecord SIP A.L. ⁵ (4 ports)		
Polys CA RCS-Start	1 user 5 users 10 users 128 users	
Polys CA RCS-Extend	1 user 5 users 10 users 128 users	
Polys CRecord Analogue	4 users 8 users 12 users 16 users 24 users	
Polys CRecord Digital	4 users 8 users 12 users 16 users 24 users	
Polys CRecord PRI	1 port 2 ports	
Polys CRecord PRI A.L. ⁵	1 port 2 ports	
Polys CView Supervisor	1 user 5 users	
Polys CView Supervisor A.L. ⁵	1 user 5 users	
Polys CView CRM P-up	1 user 5 users	
Polys CView CRM P-up A.L. ⁵	1 user 5 users	
Polys CCAgent	1 user 5 users	
Polys CCAgent A.L. ⁵	1 user 5 users	

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		Item	Capacity
System	Absent Message—Extension	1 x 16 characters	Call Log and Message Waiting	Outgoing Call Log—PT	100 records/extn. 1520 records/system
	Absent Message—System	8 x 16 characters		Outgoing Call Log—PS	100 records/extn. 640 records/system
	Call Park Zone	100		Incoming Call Log—PT	100 records/extn. 3040 records/system
	Conference	3 – 8 parties per conference (32 parties total)		Incoming Call Log—PS + Incoming Call Distribution Group	100 records/extn. or group Total 2560 records/system
	COS	64		Message Waiting—PS + Incoming Call Distribution Group	256
	DID/DDI Table	32 digits, 1000 entries		Message Waiting—PT + SLT	256
	Extension number	1 – 5 digits	Voice Message	Outgoing Message (OGM)	64
	Extension Personal Identification Number (PIN)	10 digits, 1 entry/extension		OGM Total Recording Time	Approx. 20 minutes
	Host PBX Access Code	10 digits, 10 entries/trunk group		Built-in Simplified Voice Message (SVM)	125 messages
	Multiple Subscriber Number (MSN)	10 entries per ISDN-BRI port		SVM Total Recording Time	120 minutes
	Number of Characters of Name	20	Hospitality and Charge Management Features	Billing items for guest rooms	1000 records/PBX (Without SD card)/ 10000 records/PBX (With SD card)
	Printing message	8		Hotel Operator	4
	Queuing Time Table	64		Charge Rate	7 digits including a decimal
	Ring Tone Pattern Plan	8		Charge Denomination	3 currency characters/symbols
	Simultaneous Programmers	-one system programmer + 63 personal programmers -one manager programmer + 63 personal programmers -64 personal programmers	Networking	TIE Line Routing and Modification Table	32 entries
	Simultaneous Programmers (Web Maintenance Console)	- one Installer level account + 32 User (User) and User (Administrator) level accounts		Leading Number	3 digits
	SMDR Call Storage	1000 calls (Without SD card)/40000 calls (With SD card)		PBX Code	7 digits
	Special Carrier Access Code	16 digits, 20 entries		NDSS: Monitored PBXs	8
	Tenant	8		NDSS: Registered Extensions for Monitor PBX	250
Dialling	Emergency Call	32 digits, 10 entries	Unified Messaging	Mailboxes	500 subscriber mailboxes 1 System Manager mailbox 1 Message Manager mailbox
	Hot Line	32 digits		Group Distribution List	User: 4 groups, 40 members per group System: 20 groups, 200 members per group
	Key Pad Protocol Dial (ISDN Service Access)	32 digits		Service Group	64 entries
	Personal Speed Dialling	32 digits, 100 entries/extn.		Unified Messaging Ports	24 ports
	Quick Dialling	8 digits, 4000 entries	Web Maintenance Console Accounts	Users (User)	492 accounts
	Redial	32 digits		Users (Administrator)	8 accounts
	System Speed Dialling	32 digits, 1000 entries/tenant		Installer	1 account
	One-touch Dialling—PT	32 digits, 5000 entries/system		Password (all account types)	4 – 16 characters
Groups	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	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			
TRS/Barring	P2P Group	32			
	TRS/Barring Level	7			
	TRS/Barring Denied Code	16 digits, 100 entries/level			
ARS	TRS/Barring Exception Code	16 digits, 100 entries/level			
	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			

The Panasonic logo is displayed in white, bold, sans-serif font against a dark, rectangular background in the top right corner of the page.

KX-NS700 UNIFIED COMMUNICATIONS PLATFORM. CONNECTING YOUR FUTURE.

Ready to take your communications to the next level? Talk to Panasonic today.
For more information on the KX-NS700 business communication solution,
or for a discussion about your communications requirements,
please get in touch using the details below.

panasonic.com
1-800-635-3587

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