

Evolution of Communication

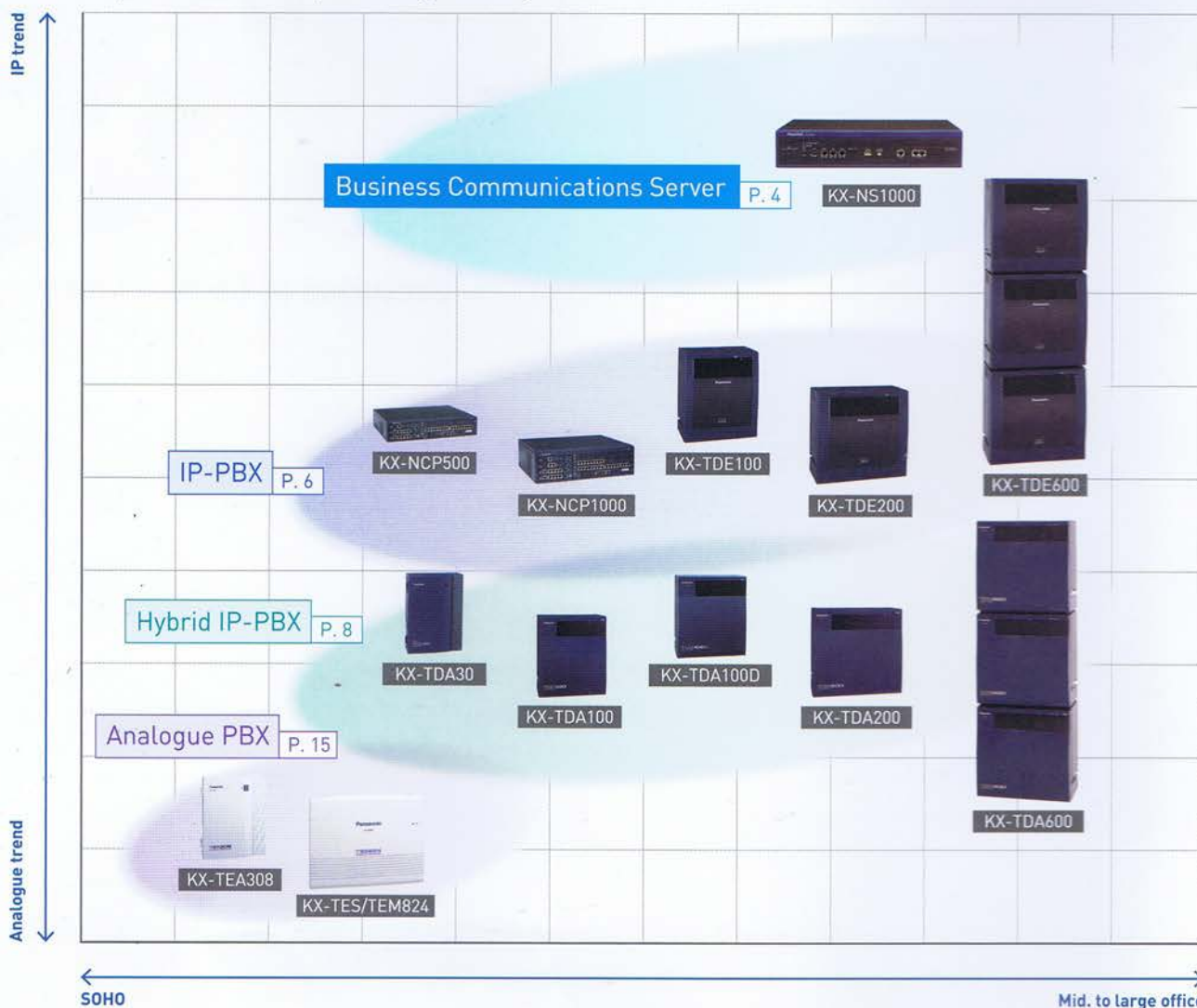
Panasonic PBX Products Provide Communication Methods for Continued Evolution to Suit Customer Work Styles

With the diversification of business in recent years, communication methods have required constant evolution in order to keep pace.

The ability to share information quickly and efficiently with staff away from the office or in other branches has become indispensable for competitive businesses. Panasonic PBX products are continuously evolving to provide an optimal communication environment for our customers, now and into the future.

Major Panasonic PBX Line-up

The line-up extends from compact to large-scale systems.





IP Networking

The networking of systems leads to long-term cost reductions.



Unified Communication

Strengthening the links between staff members to assist the speedy sharing of information.



Wireless Solution

Easy to connect wireless terminals are provided for improved staff mobility.



Business Communications Server

The KX-NS1000 Business Communications Server is a full IP system with high expandability, designed to simplify and improve communications, lower costs, and improve productivity. The Unified Communication system enables various communication methods such as voicemail, faxes, and e-mail. Since the system can also be connected to existing Panasonic PBXs to smoothly migrate to a full IP system, it can be used with legacy systems. This is a flexible system that can meet various user needs.

KX-NS1000



KX-NS1000

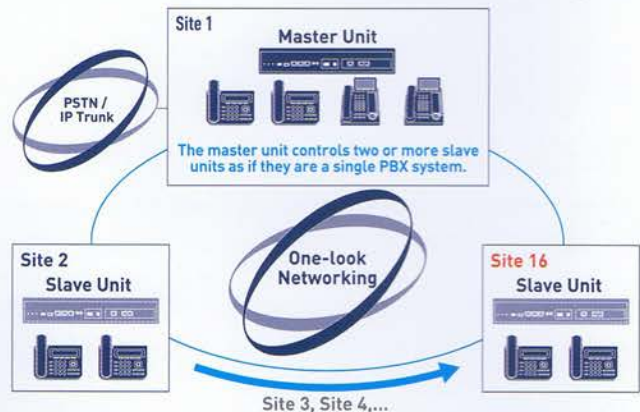
Max. Trunks:
256 [Stand alone system]
600 [One-look Networking]

Max. Extensions:
640 [Stand alone system]
1000* [One-look Networking]

*The maximum number of extensions may be limited, depending on the usage environment.

One-look Networking

One-look Networking is a system where a single KX-NS1000 works and provides PBX features even though two or more main units are networked. It is not necessary to provide additional servers. The system can be expanded easily via a web-based maintenance console. One-look Networking provides a maximum of 16 sites with the large capacity of KX-NS1000.



One-look Networking Survivability

With One-look Networking, the system can continue to operate even in the event of a failover due to system trouble with the master KX-NS1000. By specifying a backup master site, the backup master site will act as the master site temporarily to continue communication services when there is trouble with the master site.

This enables each site to continue operating independently. IP terminals only can also be registered to another PBX.

Expandable Capacity

You can connect the KX-NS1000 to existing Panasonic legacy PBXs to smoothly migrate to an IP system, and the built-in Unified Communication function can be used to construct flexible systems according to your needs and budget. Also, when you adopt the KX-NS1000 you can expand capacity by using trunk adaptors (KX-NS8188/KX-NS8290) to increase the number of lines available even when legacy trunks are required on a low budget.

Conference Solution

This function enables conference calls to be made from cellular phones, simply by calling a phone number for a contact group that contains up to 8 people (including the caller). Since it is not necessary to make a contract for a conference call service with a telephone carrier, this leads to reduced running costs.

*For details on specifications, please refer to page 16 and 19-22.

Flexible IP Platform

With the KX-NS1000, it is possible to add activation keys to flexibly increase capacity or functionality when required, according to the growth of your company. It also supports One-look Networking (full transparency), and can connect to a maximum of 16 sites and 1000 terminals.

Enhance Productivity

With built-in voice mail, fax server, and Communication Assistant, it is easy to know who is available, and how best to contact them at any time.

Less power consumption

The KX-NS1000 system is an eco-conscious product that helps reduce energy consumption. The system power consumption has been reduced by 57% [895 kWh/year] compared to the KX-NCP500 system, which was 2086 kWh/year.



Various IP Proprietary Telephones and Equipments Available

*For information on other terminals and optional products, please refer to page 9.

IP Proprietary Telephones

KX-NT500 series and NT300 series advanced desktop phones are designed for business people who require a range of feature-rich telephony devices to match their constantly changing business needs. The KX-NT500 series also offers HD quality audio and low power consumption.



KX-NT560

- 4.4 inch Backlight LCD Display
- 4 x 8 Self-Labeling, Flexible CO Buttons
- 2 Ethernet Port (1000 Base-TX)
- Power-over-Ethernet (PoE)
- Built-in Bluetooth for Headset
- Eco Mode



KX-NT546

- 6-Line Backlight LCD Display
- 24 Flexible CO Buttons
- 2 Ethernet Port (100 Base-TX)
- Power-over-Ethernet (PoE)
- Eco Mode



KX-NT543

- 3-Line Backlight LCD Display
- 24 Flexible CO Buttons
- 2 Ethernet Port (100 Base-TX)
- Power-over-Ethernet (PoE)
- Eco Mode

SIP Phones

These terminals enhance personal communication with excellent HD quality audio on all models in the range, combined with easy access to powerful supported features.



KX-UT670

For Executives and Vertical Markets

- 7 inch Backlight LCD Display
- Colour touch screen
- 4 x 6 Self-Labeling, Flexible CO Buttons
- 2 Ethernet Ports (1000 Base-TX)
- Power-over-Ethernet (PoE)
- Network camera monitoring
- Application development (Java Supported)



KX-UT248

- 4.4 inch Backlight LCD Display
- 3 x 8 Self-Labeling, Flexible CO Buttons
- 2 Ethernet Ports (1000 Base-TX)
- Power-over-Ethernet (PoE)
- Built-in Bluetooth for Headset
- Eco mode



KX-UT123

- 3-Line Backlight LCD Display
- 2 Ethernet Ports (100 Base-TX)
- Power-over-Ethernet (PoE)
- Eco mode

SIP based DECT Wireless System

*For information on the Multi Cell DECT Wireless System, refer to pages 10-11.

KX-NS1000 provides a wireless solution that enables portable handsets to be used to conduct high audio quality conversations while on the move, and reduces time and effort for installation, configuration, and maintenance.

IP65 Tough Model

KX-UDT131



- Wideband Audio
- Splash and Dust Resistant*1
- 12 Flexible Keys
- 1.8 inch Colour LCD
- Noise Reduction*2
- 3 Soft Keys
- Call Log
- Vibration
- Built-in Bluetooth

Dimensions*3 [W x D x H] (mm):
55.0 x 23.0 x 151.5
Weight*3: 141g

Business Slim & Light Model

KX-UDT121



- Wideband Audio
- 12 Flexible Keys
- 1.8 inch Colour LCD
- Noise Reduction*2
- 3 Soft Keys
- Call Log
- Vibration
- Built-in Bluetooth (KX-UDT121 only)

Dimensions*3 [W x D x H] (mm):
48.5 x 17.9 x 127.5
Weight*3: 88g

Business Standard Model

KX-UDT111



- Wideband Audio
- 12 Flexible Keys
- 1.8 inch Colour LCD
- Noise Reduction*2
- 3 Soft Keys
- Call Log
- Vibration
- Built-in Bluetooth (KX-UDT111 only)

Dimensions*3 [W x D x H] (mm):
48.2 x 25.4 x 146.3
Weight*3: 115g

IP Cell Station

KX-UDS124



- LAN I/F
- 4 speech paths
- Supported Wideband Audio
- Power-over-Ethernet (PoE)

*1 IP65 compliant: Protection against water jets projected from a nozzle from any direction and protection against dust entering the handset.

*2 Background noise into the microphone is softened and ear receiver volume is automatically turned up when in a loud environment.

*3 Without Belt Clip

IP Conferencing Phone

KX-NT700



- Full duplex acoustic echo-canceller
- Conference recording with SD Memory Card
- Speech speed conversion
- Power-over-Ethernet (PoE)
- Conferencing phone manager application (Simple video conferencing system with Panasonic Network Camera)*

* Peer to Peer connection only

Trunk Adaptor

KX-NS8188/8290



Photo : KX-NS8188

- E1/PRI Trunk Expandable
- No need to buy additional IP trunk Activation Key and Physical Card
- Power-over-Ethernet (PoE)

IP PBX System

With diverse business communications features, built-in applications, and a choice of fixed, mobile and advanced touch screen IP terminals, the Panasonic KX-NCP and KX-TDE Series provide a unified solution for businesses and meet their single or multi-site communication needs today as well as in the future. Since this system supports IP networks it enables the communication environment to be flexibly expanded in accordance with corporate growth.

KX-NCP Series



KX-NCP500
Max. Trunks : 128
Max. Extensions : 172



KX-NCP1000
Max. Trunks : 128
Max. Extensions : 172

19-inch Rack Mountable

The flat, compact body fits neatly into a standard 19-inch rack.

KX-TDE Series



KX-TDE100
Max. Trunks : 128
Max. Extensions : 256



KX-TDE200
Max. Trunks : 128
Max. Extensions : 256

KX-TDE600/620

Max. Trunks : 640
Max. Extensions : 1152



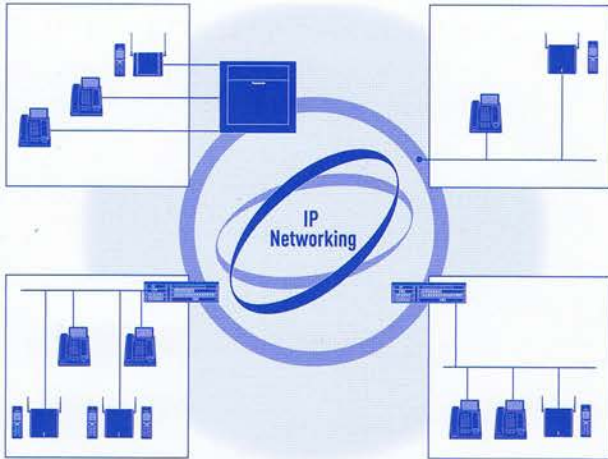
Grows With You (KX-TDE600)

The KX-TDE600's modular design lets you expand the system as your needs evolve. The Basic Shelf provides a maximum of 368 ports (432 ports with DXDP^{*1}), and the optional Expansion Shelf provides a maximum of 992 ports (1152 ports with DXDP). Plus with the KX-TDE600's free slot architecture, you can easily insert expansion cards and access new features as well as expand your capabilities.

This expandability means you can enhance system capabilities and features to meet your changing needs, without having to purchase a new system.

*1 Digital extra Device Port

*For details on specifications, please refer to pages 16-17 and 19-22.



Flexible Expansion by Adding Activation Keys

By installing an optional activation key, the number of IP terminals that can be contained on an MPR card can be expanded to 128 and the number that can be contained on an SIP trunk channel can be expanded to 64. This enables flexible expansion since it is not necessary to add new dedicated optional cards for terminals and phone lines.

Cellular Phone Integration

Cellular phones can be integrated into PBX that allows incoming calls to ring both the desk phone and the cellular phone simultaneously, so you can pick up calls on either phone, thereby enabling single number access and increasing contactability.

Multi-site Networking

The KX-NCP/TDE leverage the latest digital networking, Voice over IP (VoIP) and SIP technologies to cost effectively handle intra-office, multi-site and long distance communications over converged voice and data networks. Up to 8 KX-NCP/TDE systems can be networked and centrally managed without the need for a server.

Server-less System for Office Work Assistance Application

A built-in application server provides desktop solutions and enables simple installation.

- Built-in Communication Assistant Basic Express (Unified communication tool)
- Built-in Simplified Voice Mail (2 channels)
- Built-in Small Call Centre

SIP Networking for Low Cost Communication

Using the built-in SIP trunking interface, businesses now have the ability to connect the KX-NCP/TDE Communication Systems to the growing list of SIP based Internet Telephony Service Providers (ITSP) to achieve low-cost VoIP calls over managed broadband IP networks.

Remote Administration

With KX-NCP/TDE systems, administrators can remotely manage any deployment scenario whether a stand-alone system or a networked multi-site system connected over an IP network.

Various IP Proprietary Telephones Available

*For information on other terminals and optional products, please refer to page 9.

IP Proprietary Telephone



KX-NT400

The KX-NT400 is an innovative and stylish hi-end model. It is equipped with a touch panel on a large colour LCD, allowing easy operation. You can link to a network camera and can also access intranet Web applications.

SIP Telephone



KX-HGT100

- 2-line, 16-character LCD
- 2nd Ethernet Port
- Power-over-Ethernet (PoE)
- Hold, Transfer, Mute
- Speakerphone
- Caller ID & Call Log
- Voice mail waiting indicator

Hybrid IP PBX Systems

The Panasonic IP-Enabled KX-TDA series business telephony solution combines advantages of traditional telecommunications together with the convergence of IP technology – offering advanced features and flexibility to handle your company communication needs. These models can be easily upgraded to high-end KX-TDE series models.



KX-TDA Series



KX-TDA30

Max. 8 CO lines/28 Extensions
(52 Extensions with DXDP) or
Max. 12 CO lines/24 Extensions
(44 Extensions with DXDP)
IP-GW or E1 can be added
using a remaining slot.



KX-TDA100

Max. 96 CO Lines
(Max 124 Channels with PRI30 x 2
and LCOT16 x 4)/
64 Extensions
(160 Extensions with MEC Card)



KX-TDA100D

Max. 112 CO Lines
(Max 126 Channels with PRI30
x 1 and LCOT16 x 6)/
176 Extensions



KX-TDA200

Max. 128 CO Lines
(Max 128 Channels with LCOT16 x 8)/
128 Extensions
(256 Extensions with MEC Card)

KX-TDA600/620

Max. 640 CO lines/640 to 1120 Extensions
(with DXDP)



Easy Migration to VoIP (IP/IP Telephony)

Designed to support convergence via modular architecture, this IP-enabled system facilitates a smooth migration towards VoIP, allowing voice and data communication to function harmoniously within the same network, assuring additional flexibility in the future.

Voice Mail Integration

Optional Cards (ESVM) provide added message recording and outgoing message handling capabilities that help ensure calls from your customers routed through properly and are always answered or processed gracefully.

Multi-Cell Wireless Integration

Extension line phones can be made wireless. The multi-cell DECT Wireless System enables the office building to become a single call zone. Since calls can be made while working away from the desk, this contributes to improved productivity.

Cost-effective Performance

The systems include various functions to support cost reductions.

- Voice over Internet Protocol (H.323)
- ISDN capability (BRI/PRI)
- QSIG digital networking allows basic call handling, closed numbering routing, and CLIP/COLP/CLIR/COLR
- Automatic Route Selection(ARS)/Toll Restriction Services (TRS)
- Reliable networking via T1/E1, E&M

*For details on specifications, please refer to pages 17-22.

Terminal Line-Up

With Panasonic's KX-NS1000, KX-NCP, TDE, and TDA series, businesses can choose from any type of telephone terminal that fits their needs. All models include a digital speakerphone function, and the IP Proprietary Telephone (KX-NT300 Series) also includes Power over Ethernet (PoE) and two Ethernet ports (100 Base-T).



IP Proprietary Telephones

6-Line Backlit LCD Display,
4 x 12-Self Labelling,
Flexible CO Buttons

KX-NT366

Option : KX-NT307



6-Line Backlit LCD Display,
24 Flexible CO Buttons

KX-NT346

Options : KX-NT305 or
KX-NT303,
KX-NT307



3-Line Backlit LCD Display,
24 Flexible CO Buttons

KX-NT343

Options : KX-NT305 or
KX-NT303,
KX-NT307



1-Line LCD Display,
8 Flexible CO Buttons

KX-NT321



Digital Proprietary Telephones

6-Line Backlit LCD Display,
24 Flexible CO Buttons

KX-DT346

Options : KX-DT390 or
KX-NT303,
KX-DT301,
KX-NT307



3-Line Backlit LCD Display,
24 Flexible CO Buttons

KX-DT343

Options : KX-DT390 or
KX-NT303,
KX-DT301,
KX-NT307



3-Line LCD Display,
24 Flexible CO Buttons

KX-DT333

Option : KX-DT390



1-Line LCD Display,
8 Flexible CO Buttons

KX-DT321

Option : KX-DT390



1-Line LCD Display,
12 Flexible CO Buttons

KX-T7667



1-Line LCD Display,
8 Flexible CO Buttons

KX-T7665



Options

60 DSS Console
KX-DT390
For KX-DT346/343/
333/321 only



Add-on 60-Key Module
KX-NT305
For KX-NT346/343 only

Add-on 12-Key Module
KX-NT303
For KX-NT346/343
and KX-DT346/343 only



USB Module
KX-DT301
For KX-DT346/
343 only



Bluetooth® Module
KX-NT307
For KX-NT400/366/346/343
and KX-DT346/343 only

Mounting the KX-NT307 lets you connect a commercially available Bluetooth headset for hands-free communication (answering calls/ending calls/voice communication).



PBX Telephone

3-line LCD display,
One-Touch Dial Buttons
KX-T7716



2-line LCD display
KX-T7705/7703



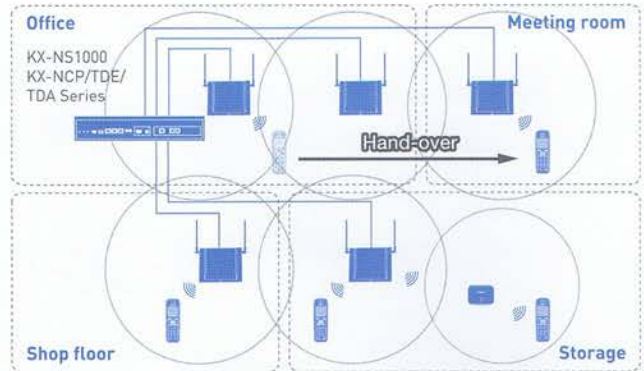
Photo : KX-T7705

Wireless Solutions

The Panasonic PBX system provides various wireless solutions, by making extension phones wireless and enabling you to keep in touch with people in charge whenever and wherever they are, as long as they are within the coverage area.

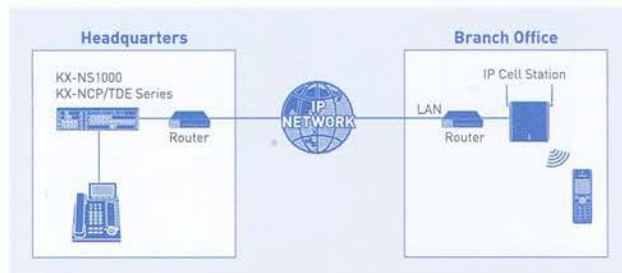
Multi Cell DECT Wireless System

Whether you work in an office, a factory, a warehouse or other large facility, the Multi-Cell DECT Wireless System keeps you in constant touch with colleagues and customers even when you are untethered and moving within the work environment.



IP Cell Station*

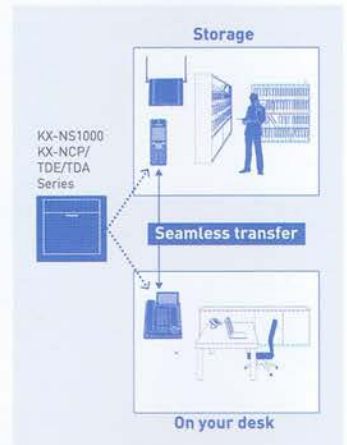
IP-Cell Station allows you to connect to a PBX via LAN. If there is a LAN in your work place, you can connect to it directly and communicate with remote locations such as headquarters to remote offices, increasing the efficiency of your business.



*The functions that can be used depend on the MPR version of the PBX.

Enhanced Mobility

With Panasonic's Wireless XDP Parallel function, you can set your DECT handset to the same extension number as your desk phone, enabling you to receive calls when you're away from your desk. Calls can be seamlessly transferred from the system desk phone to the DECT wireless handset or vice versa.



*With the KX-WT115, paired extension numbers cannot be displayed on the LCD.



Hands-Free Conversation

Plug in the optional headset and enjoy the ease and unrestricted freedom of hands-free communication. With the optional headset, you can answer incoming calls keeping your hands free to continue with the task at hand.



*For information on the terminals for the SIP based DECT Wireless System, refer to page 5.



Portable Station

Tough Enough to Stand up to Harsh Conditions

IP64 Tough Model KX-TCA364



- Splash and Dust Resistant^{*1}
- 1.5 inch Monochrome LCD
- Noisy Area Mode^{*2}
- 3 Soft Keys
- Group Ring
- Call Log (System)
- Vibration

Dimensions (W x D x H) (mm): 52 x 29 x 152
Weight: 171g



**Utilization of PBX functions
Wide array of functions useful for business
Easy to view colour LCD**

Business Compact Model KX-TCA275



- Flexible Keys
- 1.5 inch Colour LCD
- Noisy Area Mode^{*2}
- 3 Soft Keys
- Group Ring
- Call Log (System)
- Vibration (KX-TCA275 Only)

Dimensions (W x D x H) (mm): 45 x 23 x 123
Weight: 115g



Business Standard Model KX-TCA175



Dimensions (W x D x H) (mm): 47 x 24 x 144
Weight: 125g



Easy-to-Use wireless single line telephone with noise reduction function

Business Entry Model KX-WT115



- 1.8 inch Monochrome LCD
- Noise Reduction^{*3}
- 3 Soft Keys
- Call Log (Handset)

Dimensions (W x D x H) (mm): 48 x 33 x 160
Weight: 130g



*1 IP64 compliant: Protection against water spraying from any direction and protection against dust entering the handset.

*2 Background noise into the microphone is softened when set to ON.

*3 Background noise into the microphone is softened and ear receiver volume is automatically turned up when in a loud environment.

Cell Station

IP Cell Station



KX-NCP0158
LAN I/F
8 speech paths

Cell Station



KX-TDA0158
DPT I/F
8ch speech paths

KX-TDA0155
DPT I/F
2ch speech paths

KX-TDA0156
CS I/F
4ch speech paths

Repeater



KX-A405
Repeater

Unified Communication

As personal computers have become an essential business tool, Panasonic has developed the KX-NS1000, KX-NCP, KX-TDE, and KX-TDA series to seamlessly integrate with advanced desktop productivity applications for improved business efficiency. These series provide a Unified Communication system in a number of ways; as Voice Mail, e-mail attachments (through the KX-NS1000 IMAP4 server,) or using the Communication Assistant (CA). This means you can communicate with a range of different methods.

Fax Server

With its built-in fax server, the KX-NS1000 can receive, distribute, and send faxes. Received faxes can be saved in mail boxes and notify you via the message waiting lamp or e-mail, forwarded, printed, and downloaded.

E-mail Integration

KX-NS1000 sends an e-mail to notify you when you have new fax and voice messages. Fax and voice messages can also be received as attachment files. The KX-NS1000 also supports IMAP4 servers, so you can access the content of their mail boxes using a common e-mail client that supports the IMAP4 protocol, such as Microsoft Outlook.



Simple Call Centre

Whatever the size of your company, efficient and courteous handling of telephone calls is a major factor in a successful business. Panasonic provides an advanced call routing function, and more efficient call reception enables you to effectively utilize limited resources to assist in improving customer service. Furthermore, the solutions can be expanded to suit more sophisticated call centres in combination with Voice Mail functions, the Communication Assistant, and third party CTI applications.

- Uniform Call Distribution (UCD)
- Priority Routing for VIP Calls
- 1:N Ringing (Group Ringing)/Delayed Ringing
- Intercept Routing/Busy on Busy
- Call Queue Monitoring
- Listen-in by Supervisor
- Call Monitor
- Busy Override



Voice Mail

The KX-NS1000's built-in voice mail can handle incoming calls, record messages and conversations, and manage mailboxes all from a cellular phone.

Two channel two hour voice storage is preinstalled and with activation keys the number of channels can be expanded to 24 and the recording time can be expanded to 15 hours. The recording time can be further expanded to a maximum of 1000 hours by changing the storage memory.

Voice mail resources can also be shared across the network (using One-look Networking).

- Voice Mail/Mail Box Feature
- Custom Service
- Automated Attendant
- Interview Service
- Automatic Two-way Recording for Managers

The KX-NCP, TDE, and TDA series can also be connected to a voice mail system (KX-TVM50/200) to enable functions equivalent to the KX-NS1000, such as a maximum of 1000 hours of E-mail Integration storage memory.

❖ KX-TVM50/200 ❖

	 KX-TVM50	 KX-TVM200
	KX-TVM50	KX-TVM200
Number of Ports	2 to 6	0 to 24
Voice Storage	Initial:4 hours -Max.:8 hours	Max. 1000 hours
Number of Mailboxes	Max. 64	Max. 1024
Number of Messages	Unlimited	
Message Recording Medium	Flash Memory	HDD

Communication Assistant

Communication Assistant is a highly intuitive PC-based application suite with powerful point and click telephony and screen-based presence, availability, and a variety of collaboration tools. It can be used with or without a server, and supports over 1000 users with a server.

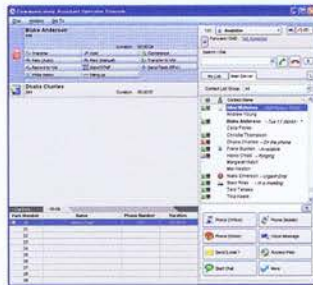
CA Basic-Express/CA PRO For Personal Productivity

Communication Assistant productivity software is a highly intuitive PC based application suite that blends powerful point and click telephony together with screen based presence, availability and variety of collaboration tools to simplify and enhance real-time communications for business telephony users.

Designed for easy installation and maintenance, Communication Assistant can be deployed without the need of any additional 3rd party server, making it an ideal solution for small to medium size businesses with limited IT knowledge and staff.

CA Operator Console For Operator or Receptionist

You can manage and redirect multiple calls simultaneously. Call parking and extension management features are available for managing a large volume of call traffic. Parked calls are put on hold and pooled into a common parking zone, and can be retrieved by any extension user. You can also easily forward calls using the drag and drop function displayed on your PC.



CA Supervisor For Team or Executive User

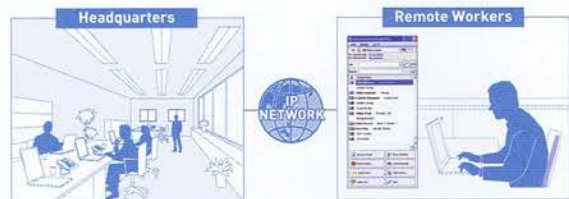
The supervisor can monitor each agent's phone status and also remotely log-in a currently logged out agent's extension, or log-out an agent phone with simple mouse operation using CA Supervisor. CA Supervisor can also monitor various important call centre statistics.



Multi site Communication

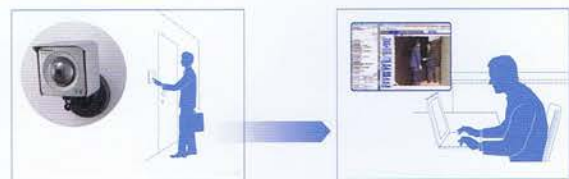
From a branch office you can check the presence of people in charge at your company's head office through a network which connects the separate hubs.

A single CA server on an IP network can be shared between multiple offices (a maximum of 8 PBXs, 4 recommended).



Network Camera Integration

Panasonic Network Cameras can also be integrated, allowing you to answer a Doorphone and open the door after viewing the Network Camera video feed on screen.



Integrating with Business Applications

The KX-NS1000, KX-NCP and TDE series support Computer Telephony Integration (CTI) enabling telephony and computers to work in sync thus providing powerful PC-based productivity tools. The system supports IP based CTI integration via industry standard TAPI/CSTA.

CA Version 4 Specification

	CA Basic Express	CA PRO	CA Operator Console	CA Supervisor
Maximum Users (PBX Only/With CA Server)	240/1022	240/1022	128/128	4/128
Built-in Service	KX-NCP500/1000	5 (free additional service)	2*	N/A
	KX-TDE100/200	10 (free additional service)	4*	N/A
	KX-TDE600	20 (free additional service)	8*	N/A
	KX-NS1000	240/1022 (PBX Only/With CA Server) (free additional service)	128	1
Call Contact	10		1000	
Call History	10		1000	
Multi-site communication (Networking)	N/A		Yes	
CRM Integration by TAPI	N/A		Yes	
Thin Client Support	Yes		Yes	

*60 day trial installations

Analogue Telephone Systems

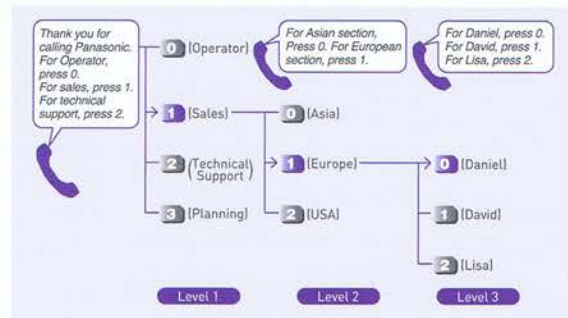


Panasonic's analogue telephone system has taken telephone systems for small to mid-sized companies a giant leap forward, offering features seldom available in this category. Its easy upgradability reduces the cost of expansion, Caller ID increases your efficiency, and voice-processing integration improves productivity.

3-level Automatic Reception with Voice Guidance

This enables calls to be handled efficiently. 3-level Automated Attendant (AA) service allows a caller to dial a single-digit number following the guidance of 3-level DISA^{*1} outgoing messages, and be directed to the appropriate section without having to go through an operator.

*1. DISA (Direct Inward System Access)



Built-in Voice Message (BV)^{*1}

Customise your mailbox by recording your own greeting messages that are played when you can't answer your phone. Your callers can record their messages directly into your personal mailbox. Call Centres and Workgroups can use the common message area for recording caller messages that can be played back later by an operator (manager).

*1 An optional voice message card is required.

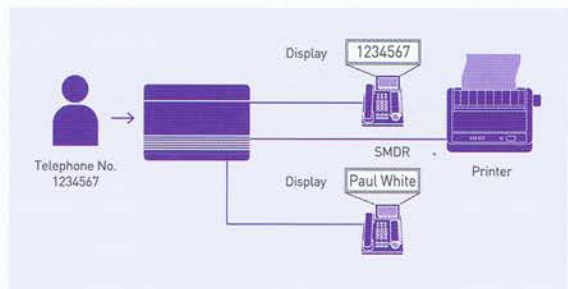


Caller ID Display^{*1} on SLT and APT

The system is compatible with Caller ID, which allows you to see the caller's information on Single Line Telephones (SLTs)^{*2} and Analogue Proprietary Telephones (APTs). Proprietary display telephones can be used to access the Caller ID log for the 20 most recent calls (Call Log). And the system has 300 common logs. The logged incoming calls can be called back easily.

*1 An optional card is required. Please contact your dealer or phone company to confirm if the Caller ID service is available in your area.

*2 SLT that supports Caller ID is required.



Analogue Telephone Systems

*For details on specifications, please refer to page 23.

<p>KX-TEA308 3 CO lines / 8 Extensions</p>	<p>KX-TES824 3 CO lines / 8 Extensions (Max. 8 CO lines / 24 Extensions)</p>	<p>KX-TEM824 6 CO lines / 16 Extensions (Max. 8 CO lines / 24 Extensions)</p>	<ul style="list-style-type: none"> - 3 CO lines and 8 Extensions (8: Hybrid) - 3-level Automatic Reception with Voice Guidance - DISA (Direct Inward System Access) with message - Built-in Voice Message (BV) - Caller ID Display on SLT and APT - Flexible SMS Routing - Intuitive Customisation and Maintenance - UCD (Uniform Call Distribution) with message - Doorphones, Door Openers, and Doorbells
---	---	--	--

Proprietary Terminals

<p>KX-T7735 - 3 line LCD - 12 Programmable CO Keys - Speakerphone - Headset Compatible - Incoming Call / Message Lamp</p>	<p>KX-T7730 - 1 line LCD - Incoming Call / Message Lamp</p>	<p>KX-T7720 - Speakerphone - Incoming Call / Message Lamp</p>	<p>KX-T7750 - Incoming Call / Message Lamp</p>	<p>KX-T7740 32 DSS Console</p>	<p>KX-T7765 Doorphone</p>
--	--	--	---	---	--------------------------------------

System Capacity

KX-NS1000 (PCMPR Software File Version 2.02 or later)

Maximum Trunks

The KX-NS1000 supports the following number of trunks.

Type	KX-NS1000 Stand-alone System	KX-NS1000 with 1 Legacy Gateway				KX-NS1000 with 2 Legacy Gateway				KX-NS1000 One-look Networking
		KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620 KX-TDA600/620	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620 KX-TDA600/620	
Total Number of Trunks	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	600 ch
H.323	48 ch	48 ch	48 ch	48 ch	48 ch	48 ch	48 ch	48 ch	48 ch	96 ch
SIP ¹	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch	256 ch
BRI	8 ch	12 ch ² / 16 ch ³	96 ch	128 ch	160 ch	24 ch ² / 32 ch ³	192 ch	256 ch	256 ch	600 ch
PRI23 ¹	23 ch	46 ch	92 ch	92 ch	115 ch	92 ch	184 ch	184 ch	230 ch	600 ch
PRI30 ¹	30 ch	60 ch	120 ch	120 ch	150 ch	120 ch	240 ch	240 ch	256 ch	600 ch
T1	N/A	48 ch	96 ch	96 ch	120 ch	96 ch	192 ch	192 ch	240 ch	600 ch
E1 ¹	N/A	60 ch	120 ch	120 ch	150 ch	120 ch	240 ch	240 ch	256 ch	600 ch
Analogue	2 lines	12 lines ² / 16 lines ³	96 lines	128 lines	160 lines	24 lines ² / 32 lines ³	192 lines	256 lines	256 lines	600 lines

¹ When using the trunk adaptor KX-NS8188/KX-NS8290, the total number including SIP, PRI, and E1 is 256 ch. ² When connected with the KX-NCP500 ³ When connected with the KX-NCP1000

Maximum Terminal Equipment

The following shows the number of each terminal equipment type supported by the KX-NS1000.

Type	KX-NS1000 Stand-alone System	KX-NS1000 with 1 Legacy Gateway				KX-NS1000 with 2 Legacy Gateway				KX-NS1000 One-look Networking
		KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620 KX-TDA600/620	KX-NCP500/1000	KX-TDE100/TDA100	KX-TDE200/TDA200	KX-TDE600/620 KX-TDA600/620	
Telephone	640	640	640	640	640	640	640	640	640	1000
SLT	2	36	96	128	240	72	192	256	480	1000
KX-DT300/KX-T7600 Series DPT	N/A	40	128	256	256	80	256	512	512	1000
KX-T7560/KX-T7565DPT	N/A	36	96	128	128	72	192	256	256	1000
Other DPT	N/A	10	32	128	160	20	64	256	320	1000
APT	N/A	4	24	64	80	8	48	128	160	640
IP-PT ¹	256	256	256	256	256	256	256	256	256	1000
SIP	640	640	640	640	640	640	640	640	640	1000
SIP Phone ²	640	640	640	640	640	640	640	640	640	1000
S-PS	255	255	255	255	255	255	255	255	255	255
DSS Console	N/A	8	8	8	64	16	16	16	64	64
CS	64	64	64	64	64	64	64	64	64	128
PT-interface CS (2-channel)	N/A	11	32	32	32	22	64	64	64	128
PT-interface CS (8-channel) ³	N/A	5	16	16	16	10	32	32	32	64
IP-CS	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	64 (16CSs x 4 Air-sync Group)	128
SIP-CS	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	64 (32CSs x 2 Air-sync Group)	128
PS	512	512	512	512	512	512	512	512	512	512
Voice Processing System (VPS)	N/A	2	2	2	2	4	4	4	4	8
Doorphone	1	17	17	17	17	33	33	33	33	64
Door Opener	1	17 ⁴	17 ⁴	17 ⁴	17 ⁴	33 ⁴	33 ⁴	33 ⁴	33 ⁴	64
External Sensor	1	17	17	17	17	33	33	33	33	64
External Relay	N/A	17 ⁴	17 ⁴	17 ⁴	17 ⁴	33 ⁴	33 ⁴	33 ⁴	33 ⁴	64

¹ KX-NT500 series, KX-NT300 series, and KX-NT265 (software version 2.00 or later only).

² KX-UT Series, KX-NT700 and third party SIP phones (SIP hardphones/SIP softphones).

³ One 8-channel PT-interface CS or IP-CS counts as 2 CSs for the total number of CSs.

⁴ The DOORPHONE card of the KX-NS1000 can serve as a door opener or as an external relay depending on how it is programmed.

Note: The numbers in the tables do not include Digital EXtra Device Port (Digital XDP) connection.

KX-NCP500 (PBMPR Version 6.0) KX-NCP1000 (PBMPR Version 6.0)

Maximum of Trunks and Extensions

The KX-NCP series supports the following number of trunks and extensions.

Type	Maximum Number
Total Number of Trunks	128
Trunk with Option Card	64
IP Trunk on MPR Card	64
H.323 Trunks	32
SIP Trunks	64
Total Number of Extensions	172
Extension with Option Card	44
Extension on MPR Card	128
IP-PT and IP Softphone	128
SIP Extension	128

Maximum Terminal Equipment

The following shows the number of each terminal equipment type supported by the KX-NCP series.

Terminal Equipment Type	Maximum Number
Telephone	172
SLT	36
KX-DT300/KX-T7600 series DPT	40
Other DPT	10
APT	4
IP-PT ¹	128 ²
SIP Extension	128
DSS console	8
CS	21 ³
PT-interface CS (2-channel)	11
PT-interface CS (8-channel)	5
IP-CS (8-channel)	16
PS	64
Voice Processing System (VPS)	2
Doorphone	16 ⁴
Door Opener	16
External Sensor	16
External Relay	16

¹ KX-NT400, KX-NT300 series, and KX-NT265 (software version 2.00 or later only)

² For the KX-NT400, the maximum number of extensions that can be connected to the PBX is 64.

³ One 8-channel PT-interface CS or IP-CS counts as 2 CSs, up to a maximum of 32 CSs.

Therefore, the maximum number of CSs is 21 (eleven 2-channel CSs + ten 8-channel CSs).

⁴ For the KX-NCP500, when using the DPH2 card, the maximum number of doorphones is 12.

KX-TDE100 (PMMPR Version 6.0)
KX-TDE200 (PMMPR Version 6.0)
KX-TDE600 (PGMPR Version 6.0)

Maximum of Trunks and Extensions

The KX-TDE series supports the following number of trunks and extensions.

Type	KX-TDE100	KX-TDE200	KX-TDE600			
			Basic System	2-shelf System	3-shelf System	4-shelf System
Total Number of Trunks	128	128	224	384	544	640
Trunk with Option Card	120	128	160	320	480	640
IP Trunk on MPR Card	64	64		64		
H.323 Trunks	32	32		32		
SIP Trunks	64	64		64		
Total Number of Extensions	256	256	432	736	1008	1152
Extension with Option Card	160	256	304	608	880	1120
DPT (KX-DT300 series)	128	256	256	512	640 ^{*1}	640 ^{*1}
SLT	128	128	240	480	720	960
Extension on MPR Card	128	128			128	
IP-PT and IP Softphone	128	128			128	
SIP Extension	128	128			128	

*1 The maximum number of PTs in the whole system is limited to 640.

Maximum Terminal Equipment

The following shows the number of each terminal equipment type supported by the KX-TDE series.

Terminal Equipment Type	KX-TDE100	KX-TDE200	KX-TDE600			
			Basic System	2-shelf System	3-shelf System	4-shelf System
Telephone	256	256	368 [432] ^{*1}	608 [736] ^{*1}	848 [1008] ^{*1}	992 [1152] ^{*1}
SLT	128	168	240	480	720	960
KX-DT300/KX-T7600 series DPT	128	256	256	512	640	640
Other DPT	32	128	128	256	384	512
APT	24	64	80	160	240	320
IP-PT	192	192	288	448	608	704
IP-PT ^{*2} [supported by IP-EXT16 card]	96	128	160	320	480	640
IP-PT ^{*3} [supported by MPR card]	128 ^{*4}	128 ^{*4}			128 ^{*4}	
SIP Extension	128	128			128	
DSS console	8	8			64	
CS	32 ^{*5}	32 ^{*5}	32 ^{*5}	64 ^{*5}	96 ^{*5}	128 ^{*5}
PT interface CS (2channel)/CS for CSIF card	32	32	32	64	96	128
PT-interface CS (8-channel)	16	16	16	32	48	64
IP-CS	16	16	16	16	16	16
PS	128	128			512	
Voice Processing System (VPS)	2	2			8 ^{*6}	
Doorphone	16	16	16	32	48	64
Door Opener	16	16	16	32	48	64
External Sensor	16	16	16	32	48	64
External Relay	16	16	16	32	48	64

*1 Even when Digital XDP is used, each shelf supports a maximum of 256 KX-DT300/KX-T7600 series DPTs.

*2 KX-NT300 series (except KX-NT366/KX-NT305), KX-NT265, and KX-NT136

*3 KX-NT400, KX-NT300 series, and KX-NT265 (software version 2.00 or later only)

*4 For the KX-NT400, the maximum number of extensions that can be connected to the PBX is 64.

*5 One 8-channel PT-interface CS or IP-CS counts as 2 CSs for the total number of CSs.

*6 Only a single VPS can be connected to one optional service card.

KX-TDA100 (PMPR Version 5.0)
KX-TDA100D (PDMMPR Version 5.1)
KX-TDA200 (PLMPR Version 5.0)
KX-TDA600 (PLMPR Version 5.0)

Maximum Number of Trunks

The KX-TDA100/100D/200/600 supports the following number of trunks.

Type	KX-TDA100	KX-TDA100D	KX-TDA200	KX-TDA600			
				Basic System	2-shelf System	3-shelf System	4-shelf System
Total Number of Trunks	124 ^{*1}	126 ^{*2}	128 ^{*3}	160	320	480	640

*1 Max 124 channels with PRI30 x 2 and LCOT16 x 4

*2 Max 126 channels with PRI30 x 1 and LCOT16 x 6

*3 Max 128 channels with LCOT16 x 8

Maximum Terminal Equipment

The following number of items of terminal equipment can be supported by the KX-TDA100/100D/200/600.

Type	KX-TDA100		KX-TDA100D	KX-TDA200		KX-TDA600			
	Without MEC Card	With MEC Card		Without MEC Card	With MEC Card	Basic System	2-shelf System	3-shelf System	4-shelf System
Telephone	64	160	176	128	256	240 (304) ¹	480 (608) ¹	720 (880) ¹	960 (1120) ¹
SLT	64	96	128	128	128	240	480	720	960
KX-DT300/KX-T7600 series DPT	64	128	104	128	256	256	512	640	640
IP-PT	64	96	112	128	128	160	320	480	640
DSS console	8		8	8		64			
PT-interface CS (2-channel)	32		26	32		32	64	96	128
PT-interface CS (8-channel)	16		13	16		16	32	48	64
PS	128		128	128		256 (without an EMEC card) / 512 (with an EMEC card)			
Voice Processing System (VPS) ^{*2}	2		2	2		8			
Doorphone	16		16	16		16	32	48	64
Door Opener	16		16	16		16	32	48	64
External Sensor	16		16	16		16	32	48	64
External Relay	16		16	16		16	32	48	64

*1 Even when Digital XDP is used, each shelf supports a maximum of 256 KX-T7600 series DPTs.

*2 Only a single VPS can be connected to one optional service card.

KX-TDA30 (PSMPR Version 5.0)

Maximum Number of Trunks

The KX-TDA30 supports the following number of trunks.

Line Type	Maximum Number (Channels)
LCOT + BRI + DID	12
VoIP (H.323)	4
VoIP (SIP)	8
E1	30

KX-TDA30 has 4 Super Hybrid Ports for extension pre-installed.

Maximum Terminal Equipment

The following number of items of terminal equipment can be supported by the KX-TDA30. Depending on the type and total number of items of equipment to be connected, the MEC card may be required.

Terminal Equipment Type	Without Additional AC Adaptor	With Additional AC Adaptor
SLT	24 ¹	24 ¹
KX-DT300 series/KX-T7600 series/KX-T7560/KX-T7565 DPT and KX-DT300 series/KX-T7600 series DSS console	Total 24	Total 48
KX-DT300/KX-T7600 series DPT	24	48
KX-DT300/KX-T7600 series DSS console	4	4
KX-T7560/KX-T7565 DPT	24	24
Other DPT/Other DSS console and APT	Total 4	Total 24
Other DPT	4	24
Other DSS console	4	4
APT	4	4
IP-PT	4	4
DSS console	4	4
VPS	4 ports (1 VPS) ²	4 ports (1 VPS) ²
SLT, PT, DSS console, and VPS	28	56
PT-interface CS (2-channel)	4	8
PT-interface CS (8-channel)	2	4
PS	28	28
Doorphone	4	4
Door Opener/External Relay	4	4
External Sensor	4	4

*1 This number includes all ports of SLC cards, regardless of whether an SLT is connected or not.

*2 A maximum of 4 ports (8 channels) of a single VPS can be connected to the PBX.

Multi Cell DECT Wireless Systems

Maximum Cell Stations and Portable Station

Type	Model No.	KX-NS1000		KX-NCP1000	KX-NCP500	KX-TDE600	KX-TDE200	KX-TDE100	KX-TDA600	KX-TDA100D	KX-TDA100/200	KX-TDA30
		Stand-alone System	One-look Networking									
Cell Stations	KX-UOS124 (4ch, LAN/IF)	64	128	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	KX-NCP0158 (8ch, LAN/IF)	64	128	16	16	16	16	16	N/A	N/A	N/A	N/A
	KX-TDA0158 (8ch, DPT/IF)	N/A	64*	5	3	64	16	16	64	13	16	4
	KX-TDA0156 (4ch, CS/IF)	N/A	128	N/A	N/A	128	32	32	128	26	32	N/A
	KX-TDA0155 (2ch, DPT/IF)	N/A	128	11	7	128	32	32	128	26	32	8
Portable Stations	KX-UOT Series	255	255	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	KX-TCA Series, KX-WT115	512	512	64	64	512	128	128	512	128	128	28

*One 8-channel PT-interface CS or IP-CS counts as 2 CSs for the total number of CSs.

PBX Requirement

Cell Station	PBX Requirement
KX-UDS124	KX-NS1000 PCMPR Software File Version 2.0 or later
	KX-NS1000 PCMPR Software File Version 1.0 or later
KX-NCP0158	KX-NCP500/1000 PBMPR Software File Version 2.0 or later
	KX-TDE600 PGMPR Software File Version 3.0 or later, KX-TDE100/200 PMMPR Software File Version 3.0 or later
KX-TDA0158	KX-NCP500/1000 PBMPR Software File Version 1.0 or later
	KX-TDE600 PGMPR Software File Version 2.0 or later, KX-TDE100/200 PMMPR Software File Version 1.0 or later
	KX-TDA100/200 MPR Software File Version 5.0 or later
	KX-TDA100D PDMPR Software File Version 5.1 or later, KX-TDA30 MPR Software File Version 5.0 or later
KX-TDA0156	KX-TDE600 PGMPR Software File Version 2.0 or later, KX-TDE100/200 PMMPR Software File Version 1.0 or later
	KX-TDA100/200 PMPR Software File Version 5.0 or later
	KX-TDA100D PDMPR Software File Version 5.1 or later, KX-TDA30 PSMPR Software File Version 5.0 or later
KX-TDA0155	KX-NCP500/1000 PBMPR Software File Version 1.0 or later
	KX-TDE600 PGMPR Software File Version 2.0 or later, KX-TDE100/200 PMMPR Software File Version 1.0 or later
	KX-TDA100/200 PMPR Software File Version 5.0 or later
	KX-TDA100D PDMPR Software File Version 5.1 or later, KX-TDA30 PSMPR Software File Version 5.0 or later

Optional Accessories for KX-NS1000, NCP Series, TDE Series & TDA Series

Category	Model No.	Description	NS1000	With legacy gateway			NCP 500/1000	TDE 600/620	TDE 100/200	TDA 600/620	TDA 100/200	TDA1000	TDA30
				NCP 500/1000	TDE600/620 TDA600/620	TDE100/200 TDA100/200							
Activation Key Codes for KX-NS1000 ¹													
	KX-NSE101	Activation Key for Mobile Extension for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSE105	Activation Key for Mobile Extension for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSE110	Activation Key for Mobile Extension for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSE120	Activation Key for Mobile Extension for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM005	Up to 50 IP Phone Capacity Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM010	Up to 100 IP Phone Capacity Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM030	Up to 300 IP Phone Capacity Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM099	Up to System Limit IP Phone Capacity Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM102	2-Channel IP Trunk Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM104	4-Channel IP Trunk Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM108	8-Channel IP Trunk Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM116	16-Channel IP Trunk Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM205	5-Channel IP Softphone/IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM210	10-Channel IP Softphone/IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM220	20-Channel IP Softphone/IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM501	1-Channel IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM505	5-Channel IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM510	10-Channel IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM520	20-Channel IP Proprietary Telephone Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM701	1-Channel SIP Extension Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM705	5-Channel SIP Extension Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM710	10-Channel SIP Extension Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSM720	20-Channel SIP Extension Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSN001	Activation Key for One-look Network	●	-	-	-	-	-	-	-	-	-	-
	KX-NSN002	Activation Key for OSIG Network	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP001	Standard Activation Key Package (E-mail/Two-way Recording) for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP005	Standard Activation Key Package (E-mail/Two-way Recording) for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP010	Standard Activation Key Package (E-mail/Two-way Recording) for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP020	Standard Activation Key Package (E-mail/Two-way Recording) for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP101	Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP105	Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP118	Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP120	Advanced Activation Key Package (E-mail/Two-way Recording/Mobile/CA PRO) for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP201	Mobile Activation Key Package (E-mail/Mobile) for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP205	Mobile Activation Key Package (E-mail/Mobile) for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP210	Mobile Activation Key Package (E-mail/Mobile) for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSP220	Mobile Activation Key Package (E-mail/Mobile) for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU001	Activation Key for Recording Time Expansion	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU002	Activation Key for Two-way Recording Control	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU003	Activation Key for Message Backup	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU102	2-Channel Unified Messaging Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU104	4-Channel Unified Messaging Activation Key	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU201	Activation Key for Unified Messaging E-mail Notification for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU205	Activation Key for Unified Messaging E-mail Notification for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU210	Activation Key for Unified Messaging E-mail Notification for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU220	Activation Key for Unified Messaging E-mail Notification for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU299	Activation Key for Unified Messaging E-mail Notification for All Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU301	Activation Key for Two-way Recording for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU305	Activation Key for Two-way Recording for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU310	Activation Key for Two-way Recording for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU320	Activation Key for Two-way Recording for 20 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSU399	Activation Key for Two-way Recording for All Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA010	Activation Key for CA Thin Client Server Connection	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA020	Activation Key for Multiple CSTA Connection	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA201	Activation Key for CA PRO for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA205	Activation Key for CA PRO for 5 Users	●	-	-	-	-	-	-	-	-	-	-

¹Note that the types of activation keys are subject to change without notice.

Note: Some cards will be exported to limited countries. Please contact our dealer and confirm the availability of specific cards in your country.

Category	Model No.	Description	NS1000	With legacy gateway			NCP 500/1000	TDE 600/620	TDE 100/200	TDA 600/620	TDA 100/200	TDA1000	TDA30
				NCP 500/1000	TDE600/620 TDA600/620	TDE100/200 TDA100/200							
	KX-NSA210	Activation Key for CA PRO for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA240	Activation Key for CA PRO for 40 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA247	Activation Key for CA PRO for 128 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA301	Activation Key for CA ACD Monitor for 1 ICD Supervisor	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA401	Activation Key for CA Operator Console	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA901	Activation Key for CA Network Plug-in for 1 User	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA905	Activation Key for CA Network Plug-in for 5 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA910	Activation Key for CA Network Plug-in for 10 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA940	Activation Key for CA Network Plug-in for 40 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSA949	Activation Key for CA Network Plug-in for 128 Users	●	-	-	-	-	-	-	-	-	-	-
	KX-NSF101	Activation Key for CTI interface	●	-	-	-	-	-	-	-	-	-	-
Physical Cards for KX-NS1000													
	KX-NS0106	FAX Interface Card (FAX)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0110	VoIP DSP Card (S Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0111	VoIP DSP Card (M Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0112	VoIP DSP Card (L Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0130	Stacking Master Card	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0131	Stacking Card for KX-NCP Series	●	●	-	-	●	-	-	-	-	-	-
	KX-NS0132	Stacking Card for KX-TDE/TDA Series	-	-	●	●	-	●	●	●	●	-	-
	KX-NS0135	Storage Memory (S Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0136	Storage Memory (M Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0137	Storage Memory (L Type)	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0161	Doorphone Interface Card	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0180	2-Port Analogue Trunk / 2-Port SLT Card	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0280	4-Port BRI / 2-Port SLT Card	●	-	-	-	-	-	-	-	-	-	-
	KX-NS0290	PRI / 2-Port SLT Card	●	-	-	-	-	-	-	-	-	-	-
Activation Key Codes													
IP Trunk	KX-NCS3102	2-Channel IP Trunk Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3104	4-Channel IP Trunk Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS4102	2-Channel IP Trunk Activation Key	-	-	-	-	-	●	●	-	-	-	-
	KX-NCS4104	4-Channel IP Trunk Activation Key	-	-	-	-	-	-	●	●	-	-	-
IP Telephone	KX-NCS3201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3204	4-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3208	8-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3216	16-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3501	1-Channel IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3504	4-Channel IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3508	8-Channel IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3516	16-Channel IP Proprietary Telephone Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3701	1-Channel SIP Extension Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3704	4-Channel SIP Extension Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3708	8-Channel SIP Extension Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS3716	16-Channel SIP Extension Activation Key	-	-	-	-	●	-	-	-	-	-	-
	KX-NCS4201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	-	-	-	-
	KX-NCS4204	4-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4208	8-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4216	16-Channel IP Softphone/IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4501	1-Channel IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4504	4-Channel IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4508	8-Channel IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
	KX-NCS4516	16-Channel IP Proprietary Telephone Activation Key	-	-	-	-	-	●	●	●	●	-	-
KX-NCS4701	1-Channel SIP Extension Activation Key	-	-	-	-	-	●	●	●	●	-	-	
KX-NCS4704	4-Channel SIP Extension Activation Key	-	-	-	-	-	●	●	●	●	-	-	
KX-NCS4708	8-Channel SIP Extension Activation Key	-	-	-	-	-	●	●	●	●	-	-	
KX-NCS4716	16-Channel SIP Extension Activation Key	-	-	-	-	-	●	●	●	●	-	-	
Communication Assistant	KX-NCS2010	Activation Key for CA Thin Client	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2020	Activation Key for CSTA Multiplexer	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2201	Activation Key for CA PRO for 1 User	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2205	Activation Key for CA PRO for 5 Users	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2210	Activation Key for CA PRO for 10 Users	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2240	Activation Key for CA PRO for 40 Users	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2249	Activation Key for CA PRO for 128 Users	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2301	Activation Key for CA ACD Monitor for 1 ICD Supervisor	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2401	Activation Key for CA Console 1 user	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2901	Activation Key for CA Network 1 user	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2905	Activation Key for CA Network 5 user	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2910	Activation Key for CA Network 10 user	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2940	Activation Key for CA Network 40 user	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS2949	Activation Key for CA Network 128 user	-	-	-	-	●	●	●	●	-	-	-
Third Party CTI	KX-NCS3930	Activation Key for Third Party CTI	-	-	-	-	●	●	●	●	-	-	-
	KX-NCS3990	Activation Key for Third Party CTI Capacity Expansion	-	-	-	-	●	●	●	●	-	-	-
Enhanced Features	KX-NCS3910	Activation Key for Enhanced Features (NCP500/1000)	-	-	-	-	-	●	●	-	-	-	-
	KX-NCS4910	Activation Key for Enhanced Features (TDE100/200)	-	-	-	-	-	-	●	●	-	-	-
PC Software	KX-TDA0300	PC Console Software	-	●	●	●	●	●	●	●	●	●	●
	KX-TDA0350	PC Phone Software	-	●	●	●	●	●	●	●	●	●	●
Physical Cards													
Trunk Cards	KX-NCP1180	4-Port Analogue Trunk Card	-	●	-	-	●	-	-	-	-	-	-
	KX-NCP1187	T1 Trunk Card	-	●	-	-	●	-	-	-	-	-	-
	KX-NCP1188	E1 Trunk Card	-	●	-	-	●	-	-	-	-	-	-
	KX-NCP1280	2-Port BRI Card	-	●	-	-	●	-	-	-	-	-	-
	KX-NCP1290	PRI Card	-	●	-	-	●	-	-	-	-	-	-
	KX-TDA0180	8-Port Analogue Trunk Card	-	-	-	●	-	-	●	-	●	●	-
	KX-TDA0181	16-Port Analogue Trunk Card	-	-	-	●	-	-	●	●	●	●	-
	KX-TDA0182	8-Port DID Card	-	-	●	-	-	-	●	-	●	●	-
	KX-TDA0183	4-Port Analogue Trunk Card	-	-	-	●	-	-	●	-	●	●	-
	KX-TDA0184	8-Port E & M Trunk Card	-	-	-	●	-	-	●	●	●	●	-
	KX-TDA0187	T1 Trunk Card	-	-	●	-	-	-	●	-	●	●	-

*1 Note that the types of activation keys are subject to change without notice. *2 Purchase is only via the internet. Enquire for further details.
Note: Some cards will be exported to limited countries. Please contact our dealer and confirm the availability of specific cards in your country.

Category	Model No.	Description	NS1000	With legacy gateway			NCP 500/1000	TDE 600/620	TDE 100/200	TDA 600/620	TDA 100/200	TDA1000	TDA30
				NCP 500/1000	TDE600/620 TDA600/620	TDE100/200 TDA100/200							
	KX-TDA0188	E1 Trunk Card	-	-	●	-	●	●	●	●	●	-	
	KX-TDA0284	4-Port BRI Card	-	-	●	-	●	●	●	●	●	-	
	KX-TDA0288	8-Port BRI Card	-	-	●	-	●	●	●	●	●	-	
	KX-TDA0290	PRI Card	-	-	●	-	●	●	●	●	●	-	
	KX-TDA1180	8-Port Analogue Trunk Base Card with Caller ID	-	-	-	-	-	-	-	-	●	-	
	KX-TDA1186	8-Port Analogue Trunk Daughter Card with Caller ID	-	-	-	-	-	-	-	-	●	-	
	KX-TDA3180	4-Port Analogue Trunk Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3182	3-Port DID Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3183	2-Port Analogue Trunk Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3188	E1 Trunk Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3280	2-Port BRI Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3283	1-Port BRI Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3450	4-Channel SIP Trunk Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA6181	16-Port Analogue Trunk Card	-	-	●	-	●	-	●	-	-	-	
Extension Cards	KX-NCP1170	4-Port Digital Hybrid Extension Card	-	●	-	●	-	-	-	-	-	-	
	KX-NCP1171	8-Port Digital Extension Card	-	●	-	●	-	-	-	-	-	-	
	KX-NCP1172	16-Port Digital Extension Card	-	●	-	●	-	-	-	-	-	-	
	KX-NCP1173	8-Port Single Line Telephone Extension Card	-	●	-	●	-	-	-	-	-	-	
	KX-NCP1174	16-Port Single Line Telephone Extension Card	-	●	-	●	-	-	-	-	-	-	
	KX-TDA0143	4 Cell Station Interface Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0144	8 Cell Station Interface Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0170	8-Port Digital Hybrid Extension Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0171	8-Port Digital Extension Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0172	16-Port Digital Extension Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0173	8-Port Single Line Telephone Extension Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0174	16-Port Single Line Telephone Extension Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0175	16-Port Single Line Telephone Extension with Message Lamp Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0177	16-Port Single Line Telephone Extension Card with Caller ID	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA0470	16-Channel VoIP Extension Card	-	-	-	-	-	●	●	●	●	●	-
	KX-TDA1176	16-Port Single Line Telephone Extension with Caller ID and Message Lamp Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA1178	24-Port Single Line Telephone Extension with Caller ID and Message Lamp Card	-	-	●	●	-	●	●	●	●	●	-
	KX-TDA3171	4-Port Digital Extension Card	-	-	-	-	-	-	-	-	-	-	●
	KX-TDA3172	8-Port Digital Extension Card	-	-	-	-	-	-	-	-	-	-	●
	KX-TDA3173	4-Port Single Line Telephone Extension Card	-	-	-	-	-	-	-	-	-	-	●
KX-TDA3174	8-Port Single Line Telephone Extension Card	-	-	-	-	-	-	-	-	-	-	●	
KX-TDA3470	4-Channel VoIP Extension Card	-	-	-	-	-	-	-	-	-	-	●	
KX-TDA6174	16-Port Single Line Telephone Extension Card	-	-	●	-	-	●	-	●	-	-	-	
KX-TDA6175	16-Port Single Line Telephone Extension with Message Lamp Card	-	-	●	-	-	●	-	●	-	-	-	
KX-TDA6178	24-Port Single Line Telephone Extension Card with Caller ID	-	-	●	-	-	●	-	●	-	-	-	
KX-TDA6179	24-Port Single Line Telephone Extension with Caller ID and Message Lamp Card [EMSLC24]	-	-	●	-	-	●	-	●	-	-	-	
Other Cards	KX-NCP1190	Optional 3-Slot Base Card	-	●	-	●	-	-	-	-	-	-	
	KX-TDA0161	4-Port Doorphone Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0162	2-Port Doorphone Card (German Type)	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0164	4-Port External Input/Output Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0166	16-Channel Echo Canceller Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0168	Extension Caller ID Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0189	8-Port Caller ID/Pay Tone Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0190	Optional 3-Slot Base Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0191	4-Channel Message Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0192	2-Channel Simplified Voice Message Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0193	8-Port Caller ID Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0194	4-Channel Simplified Voice Message Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0410	CTI link Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0480	4-Channel VoIP Gateway Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0484	4-Channel VoIP Gateway Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA0490	16-Channel VoIP Gateway Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3161	4-Port Doorphone Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3162	2-Port Doorphone Card (German Type)	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3166	8-Channel Echo Canceller Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3168	Extension Caller ID Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3191	2-Channel Message Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3192	2-Channel Simplified Voice Message Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3193	4-Port Caller ID Card	-	●	●	●	●	●	●	●	●	●	
	KX-TDA3194	2-Channel Simplified Voice Message Card	-	●	●	●	●	●	●	●	●	●	
KX-TDA3451	4-Channel VoIP DSP Card	-	●	●	●	●	●	●	●	●	●		
KX-TDA3480	4-Channel VoIP Gateway Card	-	●	●	●	●	●	●	●	●	●		
KX-TDA6166	16-Channel Echo Canceller Card	-	●	●	●	●	●	●	●	●	●		
Main Processing Card													
	KX-TDE0101	IP Convergence Main Processing Card	-	-	-	-	-	-	-	-	●	-	
	KX-TDE6101	IP Convergence Main Processing Card	-	-	-	-	-	-	-	●	-	-	
Optional Cards													
	KX-NCP1104	4-Channel VoIP DSP Card [A 4-Channel IP Trunk activation key and an 8 channel IP Proprietary telephone activation key preinstalled.]	-	-	-	●	-	-	-	-	-	-	
	KX-TDA0105	Memory Expansion Card	-	-	-	-	-	-	-	-	●	-	
	KX-TDA0196	Remote Card	-	-	-	-	●	●	●	●	●	-	
	KX-TDA0820	SD Memory Card for Software Upgrade	-	-	-	-	-	-	-	-	●	-	
	KX-TDA0920	SD Memory Card for Software Upgrade to Enhanced Version	-	-	-	-	-	-	-	-	●	-	
	KX-TDA3105	Memory Expansion Card	-	-	-	-	-	-	-	-	-	●	
	KX-TDA3196	Remote Card	-	-	-	-	●	●	●	●	●	-	
	KX-TDA3820	SD Memory Card for Software Upgrade	-	-	-	-	-	-	-	-	●	-	
	KX-TDA3920	SD Memory Card for Software Upgrade to Enhanced Version	-	-	-	-	-	-	-	-	●	-	
	KX-TDA6105	Memory Expansion Card	-	-	-	-	-	-	-	-	●	-	
	KX-TDA6110	Bus Master Card	-	-	-	-	●	-	-	-	-	-	
	KX-TDA6111	Bus Master Expansion Card	-	-	-	-	●	-	-	-	-	-	
	KX-TDA6920	SD Memory Card for Software Upgrade to Enhanced Version	-	-	-	-	-	-	-	-	●	-	
	KX-TDE0105	Memory Expansion Card	-	-	-	-	●	●	-	-	-	-	
	KX-TDE0110	16-Channel VoIP DSP Card [A 4-Channel IP Trunk activation key and an 8 channel IP Proprietary telephone activation key preinstalled.]	-	-	-	●	●	●	-	-	-	-	
	KX-TDE0111	64-Channel VoIP DSP Card [Four 4-Channel IP Trunk activation key and four 8 channel IP Proprietary telephone activation key preinstalled.]	-	-	-	●	●	●	-	-	-	-	

Note: Some cards will be exported to limited countries. Please contact our dealer and confirm the availability of specific cards in your country.

Equipment Compatibility for KX-NS1000, KX-NCP Series, TDE Series, TDA Series & TDA100D

Category	Model No.	Description	NS1000	With legacy gateway			NCP 500/1000	TDE 600/620	TDE 100/200	TDA 600/620	TDA 100/200	TDA100D	TDA30
				NCP 500/1000	TDE600/620 TDA600/620	TDE100/200 TDA100/200							
Trunk Adaptor													
	KX-NS8188	E1 Trunk Adaptor	●	-	-	-	-	-	-	-	-	-	-
	KX-NS8290	PRI Adaptor	●	-	-	-	-	-	-	-	-	-	-
Wireless													
SIP based DECT System													
	Portable Station												
	KX-UDT111	SIP based DECT Portable Station (PS) Standard Model	●	-	-	-	-	-	-	-	-	-	-
	KX-UDT121	SIP based DECT Portable Station (PS) Slim & Light Model	●	-	-	-	-	-	-	-	-	-	-
	KX-UDT131	SIP based DECT Portable Station (PS) Tough Model	●	-	-	-	-	-	-	-	-	-	-
	Cell Station												
	KX-UDS124	4-Channel Cell Station Unit (SIP) Using a V-UTEXT32 Card for DECT Portable Station (SIP)	●	-	-	-	-	-	-	-	-	-	-
DECT System													
	Portable Station												
	KX-TCA175	DECT Portable Station (PS) Basic Model	●	●	●	●	●	●	●	●	●	●	●
	KX-TCA275	DECT Portable Station (PS) Compact Business Model	●	●	●	●	●	●	●	●	●	●	●
	KX-TCA364	DECT Portable Station (PS) Tough Model	●	●	●	●	●	●	●	●	●	●	●
	KX-WT115	DECT Portable Station (PS) Entry Model	●	●	●	●	●	●	●	●	●	●	●
	Cell Station												
	KX-NCP0158	8-Channel IP Cell Station Unit Using a V-IPCS4 Card for DECT Portable Station	●	●	●	●	●	●	●	●	●	●	●
	KX-TDA0155	2-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for DECT Portable Station	-	●	●	●	●	●	●	●	●	●	●
	KX-TDA0156	4-Channel Cell Station Unit Using a CSIF Card for DECT Portable Station	-	●	●	●	●	●	●	●	●	●	●
	KX-TDA0158	8-Channel High-density Cell Station Unit Using a DHLC/DLC Card for DECT Portable Station	-	●	●	●	●	●	●	●	●	●	●
	Repeater												
	KX-A405	Repeater	●	●	●	●	●	●	●	●	●	●	●
2.4GHz System													
	Portable Station												
	KX-TD7684	2.4GHz Portable Station (PS)	-	●	●	●	●	●	●	●	●	●	●
	KX-TD7690	2.4GHz Portable Station (PS)	-	●	●	●	●	●	●	●	●	●	●
	KX-TD7694	2.4GHz Portable Station (PS)	-	●	●	●	●	●	●	●	●	●	●
	Cell Station												
	KX-TDA0151	2-Channel Cell Station Unit Using a DHLC/DLC Card for 2.4 GHz Portable Station	-	●	●	●	●	●	●	●	●	●	●
	KX-TDA0152	3-Channel Cell Station Unit Using a CSIF Card for 2.4 GHz Portable Station	-	●	●	●	●	●	●	●	●	●	●
Options													
	KX-A239	AC Adaptor for KX-UDS124	●	-	-	-	-	-	-	-	-	-	-
	KX-A421	AC Adaptor for KX-NCP0158	●	●	●	●	●	●	●	●	●	●	●
	KX-A430	Carry Case for KX-TCA275	●	●	●	●	●	●	●	●	●	●	●
	KX-A431	Carry Case for KX-TCA175	●	●	●	●	●	●	●	●	●	●	●
Phones													
IP Proprietary Telephone													
	KX-NT300series	IP proprietary telephones	●	●	●	●	●	●	●	●	●	●	●
	KX-NT500series	IP proprietary telephones	●	●	●	●	●	●	●	●	●	●	●
	KX-A239	AC Adaptor for KX-NT300series and KX-NT500series	●	●	●	●	●	●	●	●	●	●	●
	KX-NT400	IP proprietary telephones	-	-	-	●	●	●	●	●	●	●	●
	KX-A420	AC Adaptor for KX-NT400	-	-	-	●	●	●	●	●	●	●	●
IP Softphone													
	KX-NCS8102	IP softphones	●	●	●	●	●	●	●	●	●	●	●
SIP Phones													
	KX-HGT100	SIP Telephone	-	-	-	●	●	●	●	●	●	●	●
	KX-A239	AC Adaptor for KX-HGT100	-	-	-	●	●	●	●	●	●	●	●
	KX-NT700	IP conferencing phone	●	●	●	●	●	●	○	○	○	○	○
	KX-NT701	External Wired MIC for IP Conferencing Phone	-	●	●	●	●	●	○	○	○	○	○
	KX-UT Series	SIP Phones	●	-	-	-	-	-	-	-	-	-	-
Digital Proprietary Telephone													
	KX-DT300series	Digital proprietary telephones	-	●	●	●	●	●	●	●	●	●	●
	KX-T76series	Digital proprietary telephones	-	●	●	●	●	●	●	●	●	●	●
Analogue Telephone													
	KX-T77series	Analogue proprietary telephones	-	●	●	●	●	●	●	●	●	●	●
Single Line Telephone													
	KX-T77series	PBX telephones	●	●	●	●	●	●	●	●	●	●	●
Doorphone													
	KX-T30865	Doorphone	●	●	●	●	●	●	●	●	●	●	●
	KX-T7765	Doorphone	●	●	●	●	●	●	●	●	●	●	●
Other Equipments													
Power Supply Units (PSUs)													
	KX-TDA0103	L-Type Power Supply Unit	-	-	●	●	●	●	●	●	●	●	●
	KX-TDA0104	M-Type Power Supply Unit	-	-	●	●	●	●	●	●	●	●	●
	KX-TDA0108	S-Type Power Supply Unit	-	-	●	●	●	●	●	●	●	●	●
Expansion Shelf													
	KX-TDA620	Expansion Shelf	-	-	●	●	●	●	●	●	●	●	●
	KX-TDE620	Expansion Shelf	-	-	●	●	●	●	●	●	●	●	●
Mounting Kit													
	KX-TDA6201	Mounting Kit for expanding to a 3- or 4- Shelf System	-	-	-	-	●	●	●	●	●	●	●
Proprietary Equipment													
	KX-A228	S/M-type Back-up Battery Cable	-	-	●	●	●	●	●	●	●	●	●
	KX-A229	L-type Back-up Battery Cable	-	-	●	●	●	●	●	●	●	●	●
	KX-A236	Additional AC Adaptor	-	-	-	-	-	-	-	-	-	-	●
	KX-A242	19 inch rack adaptor (TDA200/TDE200)	-	-	-	●	●	●	-	-	●	●	-
	KX-A243	19 inch rack adaptor (TDA100/TDE100)	-	-	-	●	●	●	-	-	●	●	-
	KX-A258	Blank Slot Cover	-	-	-	●	●	●	●	●	●	●	●

*1 When the KX-TDE/TDA200 is used. *2 When the KX-TDE600/620 is used. *3 When the KX-TDE/TDA100 is used. *4 When the KX-TDA600 is used. *5 When the KX-TDE600 is used.
○ Only supports connections of Analogue Line Interface and Audio Interface.
Note: Some cards will be exported to limited countries. Please contact our dealer and confirm the availability of specific cards in your country.

Analogue Telephone Systems

System Capacity

KX-TEA308/TES824/TEM824

Model No.		KX-TEA308	KX-TES824	KX-TEM824
CO lines	Basic	3	3	6
	Max		8	8
Extensions	Basic	8	8	16
	Max		24	24
Intercom paths		3	4	4
DTMF receivers		2	2	4
Door intercoms and openers (max.)		2	4	4

Optional Accessories for KX-TEA308, TES824, TEM824

Model No.	Description	KX-TEA308	KX-TES824	KX-TEM824
Telephones				
KX-T7710	Proprietary Telephone with Message / Ringer Lamp, One-Touch Dialler, Data Port	●	●	●
KX-T7720	Proprietary Telephone with Speakerphone (12 CO keys)	●	●	●
KX-T7730	Proprietary Telephone with 1-Line Display and Speakerphone (12 CO keys)	●	●	●
KX-T7735	Proprietary Telephone with 3-Line Display and Speakerphone (12 CO keys)	●	●	●
KX-T7740	DSS Console (32 DSS / BLF keys, 16 PF keys)	●	●	●
KX-T7750	Proprietary Telephone with Monitor (12 CO keys)	●	●	●
KX-T7101	SLT with Message Lamp, One-Touch Dialler, Data Port	●	●	●
Others				
KX-T30865	Doorphone	●	●	●
KX-T7765	Doorphone	●	●	●
KX-A227	Backup Battery Cable	●	●	●
Analogue Cards				
KX-TE82460	2-Port Doorphone / Door Opener Card	●	●	●
KX-TE82461	4-Port Doorphone / Door Opener Card	-	●	●
KX-TE82474	8-Port Single Line Telephone Extension Card	-	●	●
KX-TE82480	2-Port Analogue CO Line and 8-Port Single Line Telephone Extension Card	-	●	●
KX-TE82483	3-Port Analogue CO Line and 8-Port Hybrid Extension Card	-	●	-
KX-TE82491	Message Expansion Card for OGM (1 ch, 180 sec)	-	●	●
KX-TE82492	2-Channel Voice Message Card	●	●	●
KX-TE82494 ¹⁾	3-Port Caller ID Card	●	●	●

¹⁾ This card can only be used with a PBX that has software version 3.0 or later and hardware version 2 or later. The existing 3-Port Caller ID Card (KX-TE82493) can also be used, regardless of the PBX version.

Note: Some cards will be exported to limited countries. Please contact our dealer and confirm the availability of specific cards in your country.

Trademarks and registered trademarks

-Microsoft®, Windows®, and Outlook® are registered trademarks of Microsoft Corporation in the U.S. and other countries.
-The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under licence.
Other trademarks and trade names are those of their respective owners.

Important

-Safety Precaution: carefully read the operating instructions and installation manual before using these products.

- Some models will be available to limited countries.
- The images shown of base unit display and lamps are composite images.
- Weights and dimensions are approximate.
- Design and specification subject to change without notice.
- These products may be subject to export control regulations.

DISTRIBUTED BY :

Panasonic India Pvt. Ltd.

Authorised Dealer

MAXTEL INDIA

11, Vikram Vihar Extension, Lajpat Nagar-IV, New Delhi-110024

Tel.: 011- 46553737 (30Lines), 26413737, 26461792

Fax : 011- 46553747; Mobile: **+91-9811042837**

E-mail : sudhir@maxtelindia.com

Website : www.maxtelindia.com

Panasonic