

Office Communication Systems

Office  
Communication  
Systems



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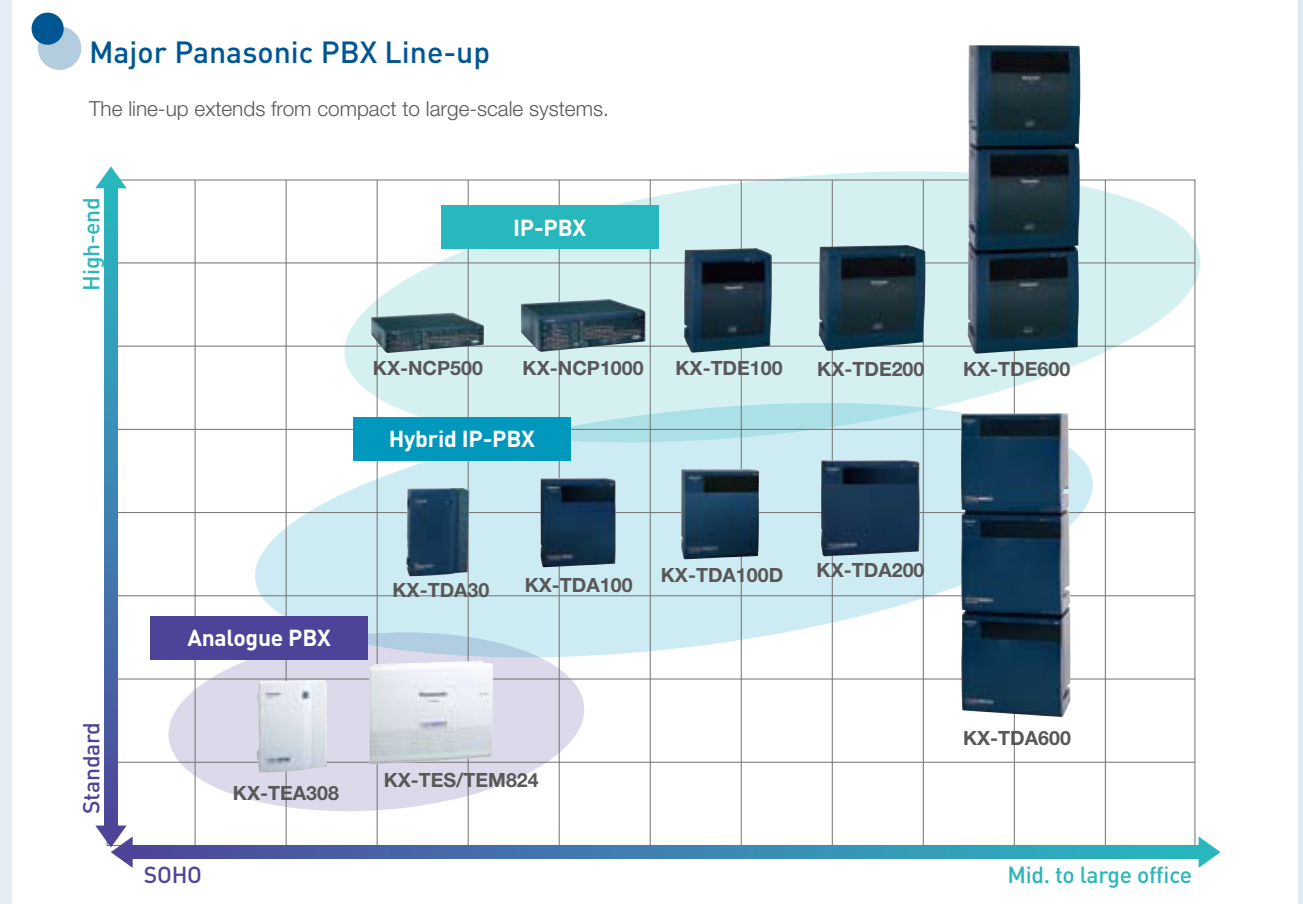
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# Panasonic PBX Products Deliver Flexible Communication Methods to Meet a Wide Variety of Work Styles

Modern business is continually evolving and work styles are diversifying, with the promotion of telecommuting, working away from the office, and staggered commuting. Speed is vital in all business activities including decision making, customer support, and information sharing. The diverse range of Panasonic PBX products assist the building of a versatile communication environment.



## Wireless Solution

Supports highly mobile businesses.



## Unified Communication

Enhances team and organizational capabilities.



## IP Networking

Networking helps save costs.





# 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 : 156



**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

### Fully equipped with TDA functions and solutions

This system inherits the easy operation of TDA and supports all of its features, while also including useful IP functions. Customers using a KX-TDA series PBX can change the main card (IPCMPR card) to upgrade to the KX-TDE series while inheriting the TDA option cards.

### Grows With You (KX-TDE600)

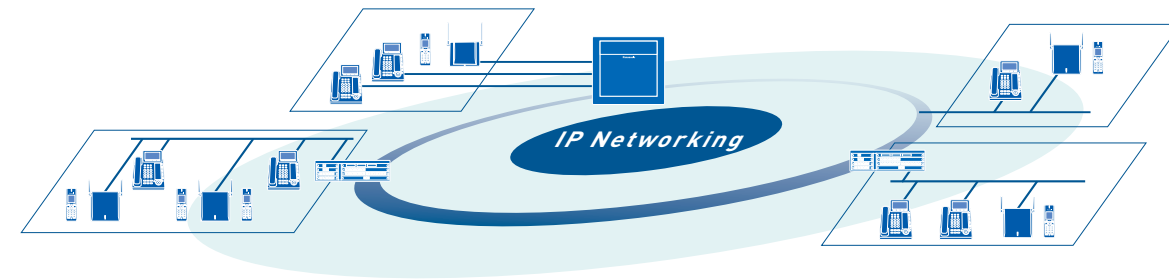
The KX-TDE600's modular design lets you expand the system as your needs evolve. The Basic Shelf provides a maximum of 368 ports (432 ports with DXDP\*), and the optional Expansion Shelf provides a maximum of 992 ports (1152 ports with DXDP). Plus with the KX-TDE600's free slot architecture, you can easily 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



**KX-TDE600**  
Max. Trunks : 640  
Max. Extensions : 1152

\*For details on specifications, please refer to page 14 and 16-19.



### 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 a SIP trunk card 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.

### 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.

### 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.

### 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 users can pick up calls on either phone, thereby enabling single number access and increasing contactability.

### 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 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.

### 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

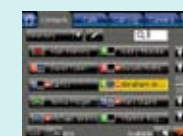
### Remote Administration

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

### IP Proprietary Telephones

For information on other terminals and optional products, please refer to page 7.



#### 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.



Self-Labeling Keys

#### KX-NT366

The KX-NT366 features 12 flexible buttons with an LCD screen. Each item can be named on the screen through personal or system programming to reflect the function of its corresponding button. A total of 48 functions can be assigned.

### SIP Telephone



#### KX-HGT100

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

### IP Conferencing Phone



#### KX-NT700

- Full duplex acoustic echo-canceller
- Conference recording with SD Memory Card
- Speech speed conversion
- Conferencing phone manager application (Simple video conferencing system with Panasonic Network camera)\*
- \*Peer to Peer connection only



## 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

## Terminal Line-Up

With Panasonic's 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,  
24 Flexible CO Buttons

#### KX-NT346

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



3-Line Backlit LCD Display,  
24 Flexible CO Buttons

#### KX-NT343

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



1-Line LCD Display,  
8 Flexible CO Buttons

#### KX-NT321



### 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).

### Digital Proprietary Telephones

6-Line Backlit LCD Display,  
24 Flexible CO Buttons

#### KX-DT346

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



3-Line Backlit LCD Display,  
24 Flexible CO Buttons

#### KX-DT343

Option : 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



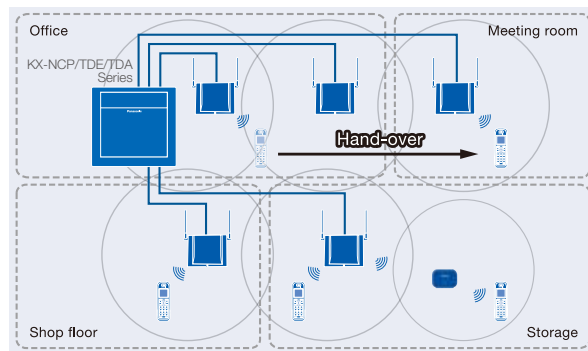
\*For details on specifications, please refer to page 15-19.



# Wireless Solution

## 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



**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

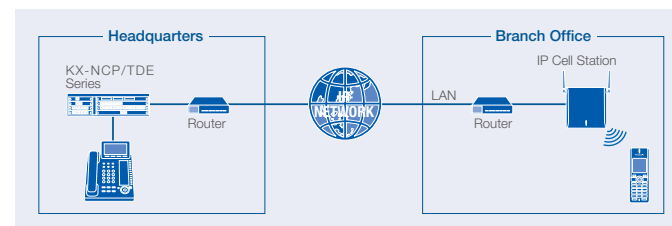
\*For information on release dates, please inquire.



**KX-A272**  
Repeater

### 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.

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

### Business Entry Model

#### KX-WT115



- 1.8 inch Monochrome LCD
- Noise Reduction
- Soft Keys
- Call Log (Handset)

Dimension (HxWxD) (mm): 160x48x33  
Weight: 130g

\*For information on release dates, please inquire.



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

### Business Standard Model

#### KX-TCA175



- Flexible Keys
- 1.5 inch colour LCD
- Noisy Area Mode\*
- Editable Soft Keys
- Group Ring
- Call Log (PBX)
- Headset Ringer
- Vibration (KX-TCA275 Only)

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

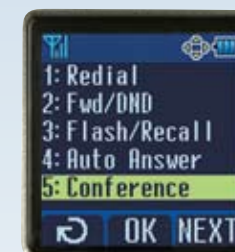
Dimension (HxWxD) (mm): 144x47x24  
Weight: 125g

### Business Compact Model

#### KX-TCA275



Dimension (HxWxD) (mm): 123x45x23  
Weight: 115g



*Tough Enough to  
Stand up to  
Harsh Conditions*

### IP64 Tough type Model

#### KX-TCA364



- Dust and Splash Resistant
- Flexible Keys
- 1.5 inch Monochrome LCD
- Noisy Area Mode\*
- Soft Keys
- Group Ring
- Call Log (PBX)
- Vibration

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

Dimension (HxWxD) (mm): 155x52x29  
Weight: 171g

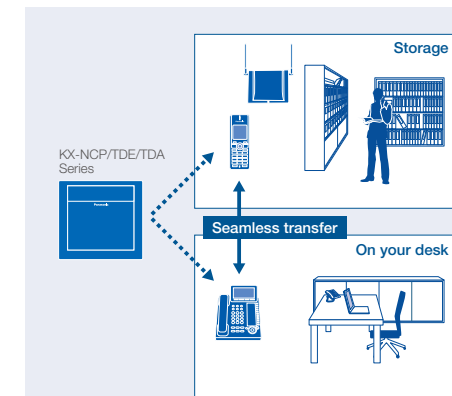


\*IP6 : Dust Resistance, no invading of dust.  
\*IP4 : Water Resistance, protection against splashed water.

### 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.



# Unified Communication

As personal computers have become an essential business tool, Panasonic has developed the KX-NCP and TDE series to seamlessly integrate with advanced desktop productivity applications for improved business efficiency.

Communication Assistant is a unified communication productivity software suite that provides office staff with business tools to improve user and team productivity.

## Communication Assistant Basic-Express/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.

### Point and Click Unified Communications

You can easily make calls using a customisable contact list that is displayed on your PC, and search for a desired contact simply and quickly.

You can also see the phone status, PC status, and the absent message of your extensions from the contact list before you make a call.



### Voice Mail Assistant (VMA)

Companies using the optional advanced KX-TVM Voice Messaging solution can allow Communication Assistant users to visually manage their voice mails with Voice Mail Assistant. It can be launched directly from Communication Assistant via the Message icon.



### Integration with Microsoft® Outlook®

Communication Assistant seamlessly integrates with Microsoft® Outlook® allowing users to easily dial contact phone numbers and receive incoming call pop-up alerts.



### IP Softphone

IP Softphone module allows road warriors, sales and support staff, or any other power user to use their computer as an IP Phone for easy access to unified communications.

The user simply needs to connect to the corporate IP network over a secure managed broadband connection to enable the IP Softphone.



### Teleconferences with Easy and Simple Operations

Members that join a teleconference can be registered in a group using a PC drag-and-drop operation, so that teleconferences can be easily started.

## Communication Assistant 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.



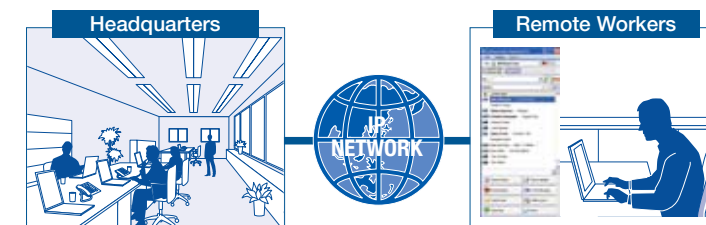
## Communication Assistant Supervisor For Team or Executive User

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.



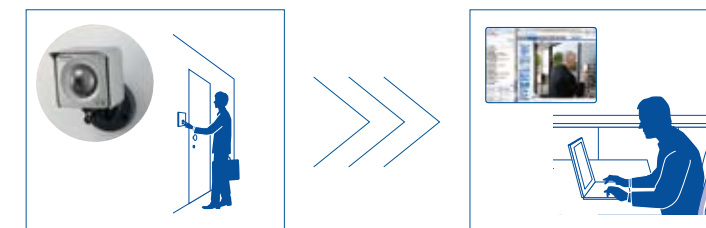
## Multi site Communication

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 users to answer a Doorphone and open the door after viewing the Network Camera video feed on screen.



## Integrating with Business Applications

The 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.

## Communication Assistant (CA Version 3) 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 Licence	KX-NCP500/1000	5 (free additional licence)	2*	N/A
	KX-TDE100/200	10 (free additional licence)	4*	N/A
	KX-TDE600	20 (free additional licence)	8*	N/A
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

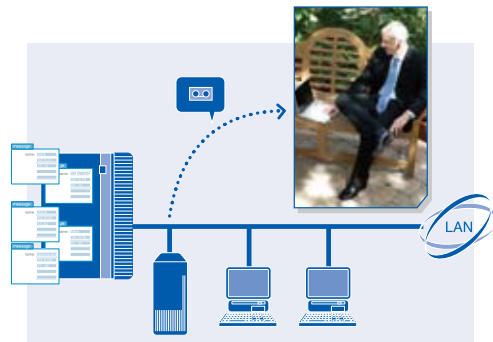


## Voice Mail Solution

Panasonic's messaging solutions give you multilingual capabilities and efficient call handling, so you can give customers the service and support they deserve. You also benefit from a system that takes messages automatically and keeps you in touch 24 hours a day. And, of course, you'll love the cost savings. Panasonic's messaging solutions mean more convenience for you and more satisfaction for your customers.



You can configure the VPS to notify you by e-mail when you've received new messages; you can then log in to your mailbox remotely and listen to your messages. Better yet, have the VPS send your new messages in telephone-quality WAV file format as e-mail attachments, and listen to your messages without even picking up the phone! You can easily forward them by e-mail to other parties, and keep backup copies of those messages on your PC. Calling the office to check your messages is finally a thing of the past.



### KX-TVM50/200 Specifications

	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	Unlimited
Message Recording Medium	Flash Memory	HDD

### Centralised Voice Mail

Voicemail resources can be shared across the network. This provides centralised mailbox access, Message Waiting indication, Direct mailbox access and Auto attendant service.

### Custom Service

Using Custom Service, you can give callers 1-digit access to department extensions, special announcements, and other information. The caller listens to the first Custom Service Menu, then selects from the options available.

### Voice Mail (VaM) Menu on the LCD

For easier operation, Voice Mail menus and the number of new messages received can be displayed on the LCD screens of Proprietary Telephones. Users can retrieve messages or specify parameters.

### Useful Panasonic Functions

#### Live Call Screening (LCS)

When the LCS mode is activated, you can monitor incoming messages and decide whether or not to take the call. This handy feature is similar to having a telephone answering machine right at your desk.

#### Two-Way Recording

This feature allows an extension user to record a conversation in a mailbox by simply pressing the Two-Way Record function key. A variation of this feature is Two-Way Transfer, which permits the extension user to record a conversation in another Subscriber's mailbox; this is ideal for firms that want their receptionists to personally record messages from callers.



KX-TVM50



KX-TVM200

## 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.

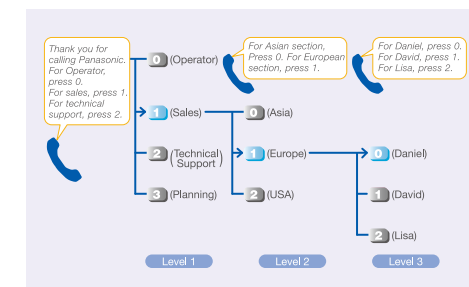
<b>KX-TEA308</b> 3 CO lines / 8 Extensions	<b>KX-TES824</b> 3 CO lines / 8 Extensions (Max. 8 CO lines / 24 Extensions)	<b>KX-TEM824</b> 6 CO lines / 16 Extensions (Max. 8 CO lines / 24 Extensions)

- 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

### 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\*<sup>1</sup> outgoing messages, and be directed to the appropriate section without having to go through an operator.

\*<sup>1</sup> DISA (Direct Inward System Access)



### Built-in Voice Message (BV)\*<sup>1</sup>

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).

\*<sup>1</sup> An optional voice message card is required.



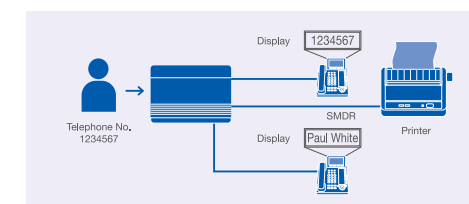
### Caller ID Display\*<sup>1</sup> on SLT and APT

The system is compatible with Caller ID, which allows a user to see the caller's information on Single Line Telephones (SLTs)\*<sup>2</sup> 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.

\*<sup>1</sup> An optional card is required.

Please contact your dealer or phone company to confirm if the Caller ID service is available in your area.

\*<sup>2</sup> SLT that supports Caller ID is required.



\* For details, please refer to page 19.

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

# IP-PBX / Hybrid IP-PBX System

## System Capacity

### KX-NCP500 (PBMPR Version 4.1)

### KX-NCP1000 (PBMPR Version 4.1)

#### Maximum Number of Trunks and Extensions

The PBX supports the following number of trunks and extensions.

Type	KX-NCP500	KX-NCP1000
Total Number of Trunks	128	128
Trunk with Option Card	64	64
IP Trunk on MPR Card	64	64
H.323 Trunks	32	32
SIP Trunks	64	64
Total Number of Extensions	156	172
Extension with Option Card	28	44
Extension on MPR Card	128	128
IP-PT and IP Softphone	128	128
SIP Extension	128	128

### KX-TDE100 (PMMPR Version 4.1)

### KX-TDE200 (PMMPR Version 4.1)

### KX-TDE600 (PGMPR Version 4.1)

#### Maximum Number of Trunks and Extensions

The PBX 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	64	64	64
H.323 trunks	32	32	32	32	32	32
SIP trunks	64	64	64	64	64	64
Total Number of Extensions	256	256	432 <sup>*1</sup>	736 <sup>*1</sup>	1008 <sup>*1</sup>	1152 <sup>*1</sup>
Extension with Option Card	160	256	304	608	880	1120
DPT (KX-DT300 series)	128	256	256	512	640 <sup>*2</sup>	640 <sup>*2</sup>
SLT	96	128	240	480	720	960
Extension on MPR Card	128	128	128	128	128	128
IP-PT and IP Softphone	128	128	128	128	128	128
SIP Extension	128	128	128	128	128	128

<sup>\*1</sup> Even when Digital XDP is used, each shelf supports a maximum of 256.  
<sup>\*2</sup> The maximum number of PTs in the whole system is limited to 640.

#### Maximum Terminal Equipment

The following number of items of terminal equipment can be supported by the PBX.

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) <sup>*1</sup>	608 (736) <sup>*1</sup>	848 (1008) <sup>*1</sup>	992 (1152) <sup>*1</sup>
SLT	96	128	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 <sup>*2</sup> (supported by IP-EXT16 card)	96	128	160	320	480	640
IP-PT <sup>*3</sup> (supported by MPR card)	128 <sup>*4</sup>	128 <sup>*4</sup>	128 <sup>*4</sup>	128 <sup>*4</sup>	128 <sup>*4</sup>	128 <sup>*4</sup>
SIP Extension	128	128	128	128	128	128
DSS console	8	8	64	64	64	64
CS	32 <sup>*5</sup>	32 <sup>*5</sup>	32 <sup>*5</sup>	64 <sup>*5</sup>	96 <sup>*5</sup>	128 <sup>*5</sup>
PT interface CS(2channel)/CS for CSiF card	32	32	32	64	96	128
High Density CS	16	16	16	32	48	64
IP-CS	16	16	16	16	16	16
PS	128	128	512	512	512	512
Voice Processing System (VPS) <sup>*6</sup>	2	2	8	8	8	8
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

<sup>\*1</sup> Even when Digital XDP is used, each shelf supports a maximum of 256 KX-DT300/KX-T7600 series DPTs.  
<sup>\*2</sup> KX-NT300 series (except KX-NT366/KX-NT305), KX-NT265, and KX-NT136.  
<sup>\*3</sup> KX-NT400, KX-NT300 series, and KX-NT265 (software version 2.00 or later only).

#### Maximum Terminal Equipment

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

Terminal Equipment Type	KX-NCP500	KX-NCP1000
Telephone	156	172
SLT	20	36
KX-DT300/KX-T7600 series DPT	24	40
Other DPT	6	10
APT	4	4
IP-PT <sup>*1</sup>	128 <sup>*2</sup>	128 <sup>*2</sup>
SIP Extension	128	128
DSS console	8	8
CS	32 <sup>*3</sup>	32 <sup>*3</sup>
PT-interface CS (2-channel)	7	11
PT-interface CS (8-channel)	3	5
IP-CS (8-channel)	16	16
PS	64	64
Voice Processing System (VPS)	2	2
Doorphone	16 <sup>*4</sup>	16
Door Opener	16	16
External Sensor	16	16
External Relay	16	16

<sup>\*1</sup> KX-NT400, KX-NT300 series, and KX-NT265 (software version 2.00 or later only)  
<sup>\*2</sup> For the KX-NT400, the maximum number of extensions that can be connected to the PBX is 64.  
<sup>\*3</sup> One 8-channel PT-interface CS or IP-CS counts as 2 CSs for the total number of CSs.  
<sup>\*4</sup> When using the DPH2 card, the maximum number of doorphones is 12.

### KX-TDA100 (PMPR Version 5.0)

### KX-TDA100D (PDMPR Version 5.1)

### KX-TDA200 (PLMPR Version 5.0)

### KX-TDA600 (PLMPR Version 5.0)

#### Maximum Number of Trunks

The PBX 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 <sup>*1</sup>	126 <sup>*2</sup>	128 <sup>*3</sup>	160	320	480	640

<sup>\*1</sup> Max 124 channels with PRI30 x 2 and LOOT16 x 4  
<sup>\*2</sup> Max 126 channels with PRI30 x 1 and LOOT16 x 6  
<sup>\*3</sup> Max 128 channels with LOOT16 x 8

#### Maximum Terminal Equipment

The following number of items of terminal equipment can be supported by the PBX.

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) <sup>*1</sup>	480 (608) <sup>*1</sup>	720 (880) <sup>*1</sup>	960 (1120) <sup>*1</sup>
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			
CS	32		26	32		32	64	96	128
High-density CS	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) <sup>*2</sup>	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

<sup>\*1</sup> Even when Digital XDP is used, each shelf supports a maximum of 256 KX-T7600 series DPTs.  
<sup>\*2</sup> Only a single VPS can be connected to one optional service card.

### KX-TDA30 (PSMPR Version 5.0)

#### Maximum Number of Trunks

The Hybrid IP-PBX 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 PBX. 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 <sup>*1</sup>	24 <sup>*1</sup>
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) <sup>*2</sup>	4 ports (1 VPS) <sup>*2</sup>
SLT, PT, DSS console, and VPS	28	56
CS	4	8
High-density CS	2	4
PS	28	28
Doorphone	4	4
Door Opener/External Relay	4	4
External Sensor	4	4

<sup>\*1</sup> This number includes all ports of SLC cards, regardless of whether an SLT is connected or not.  
<sup>\*2</sup> 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 Stations

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

PBX Requirement

Cell Station	PBX Requirement
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-NCP Series, TDE Series & TDA Series

Model No.	Description		KX-NCP 500/1000	KX-TDE 600	KX-TDE 100/200	KX-TDA 600	KX-TDA 100/200	KX-TDA 100D	KX-TDA 30
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 (KX-TDA200/TDE200)	—	—	—	— / ●	—	— / ●	—	—
KX-A243	19 inch rack adaptor (KX-TDA100/TDE100)	—	—	—	● / —	—	● / —	●	—
KX-A258	Blank Slot Cover	—	—	●	●	●	●	●	—
KX-NCP1104	4-Channel VoIP DSP Card (A 4-Channel IP Trunk activation key and an 8 channel IP Proprietary Telephone activation key preinstalled.)	DSP4	●	—	—	—	—	—	—
KX-NCP1170	4-Port Digital Hybrid Extension Card	DHLC4	●	—	—	—	—	—	—
KX-NCP1171	8-Port Digital Extension Card	DLC8	●	—	—	—	—	—	—
KX-NCP1172	16-Port Digital Extension Card	DLC16	●	—	—	—	—	—	—
KX-NCP1173	8-Port Single Line Telephone Extension Card	SLC8	●	—	—	—	—	—	—
KX-NCP1174	16-Port Single Line Telephone Extension Card	SLC16	●	—	—	—	—	—	—
KX-NCP1180	4-Port Analogue Trunk Card	LCOT4	●	—	—	—	—	—	—
KX-NCP1187	T-1 Trunk Card	T1	●	—	—	—	—	—	—
KX-NCP1188	E-1 Trunk Card	E1	●	—	—	—	—	—	—
KX-NCP1190	Optional 3-Slot Base Card	OPB3	●	—	—	—	—	—	—
KX-NCP1280	2-Port BRI Card	BRI2	●	—	—	—	—	—	—
KX-NCP1290	PRI Card	PRI	●	—	—	—	—	—	—
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	—	●	●	●	—	—	—	—
KX-NCS3102	2-Channel IP Trunk Activation Key	—	●	—	—	—	—	—	—
KX-NCS3104	4-Channel IP Trunk Activation Key	—	●	—	—	—	—	—	—
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	—	●	—	—	—	—	—	—

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Model No.	Description		KX-NCP 500/1000	KX-TDE 600	KX-TDE 100/200	KX-TDA 600	KX-TDA 100/200	KX-TDA 100D	KX-TDA 30
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-NCS3910	Activation Key for Software Upgrade to Enhanced Version (KX-NCP500/1000)	—	●	—	—	—	—	—	—
KX-NCS3930	Activation Key for Third Party CTI	—	●	●	●	—	—	—	—
KX-NCS4102	2-Channel IP Trunk Activation Key	—	—	●	●	—	—	—	—
KX-NCS4104	4-Channel IP Trunk 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	—	—	●	●	—	—	—	—
KX-NCS4910	Activation Key for Enhanced Features (KX-TDE100/200)	—	—	—	●	—	—	—	—
KX-NCS4950	Activation Key for Enhanced Features (KX-TDE600)	—	—	●	—	—	—	—	—
KX-TDA0103	L-Type Power Supply Unit	PSU-L	—	●	— / ●	●	— / ●	—	—
KX-TDA0104	M-Type Power Supply Unit	PSU-M	—	●	—	●	—	—	—
KX-TDA0105	Memory Expansion Card	MEC	—	—	—	—	—	●	—
KX-TDA0108	S-Type Power Supply Unit	PSU-S	—	—	● / —	—	● / —	—	—
KX-TDA0143	4 Cell Station Interface Card	CSIF4	—	●	—	●	—	●	—
KX-TDA0144	8 Cell Station Interface Card	CSIF8	—	●	—	●	—	●	—
KX-TDA0161	4-Port Doorphone Card	DPH4	●	●	●	●	●	●	—
KX-TDA0162	2-Port Doorphone Card (German Type)	DPH2	●	●	●	●	●	●	—
KX-TDA0164	4-Port External Input/Output Card	EIO4	●	●	●	●	●	●	—
KX-TDA0166	16-Channel Echo Canceller Card	ECHO16	●	—	●	—	●	●	—
KX-TDA0168	Extension Caller ID Card	EXT-CID	—	●	—	●	—	●	—
KX-TDA0170	8-Port Digital Hybrid Extension Card	DHLC8	—	●	●	●	●	—	—
KX-TDA0171	8-Port Digital Extension Card	DLC8	—	●	●	●	●	●	—
KX-TDA0172	16-Port Digital Extension Card	DLC16	—	●	●	●	●	●	—
KX-TDA0173	8-Port Single Line Telephone Extension Card	SLC8	—	●	●	●	●	—	—
KX-TDA0174	16-Port Single Line Telephone Extension Card	SLC16	—	—	●	—	●	—	—
KX-TDA0175	16-Port Single Line Telephone Extension with Message Lamp Card	MSLC16	—	—	●	—	●	—	—
KX-TDA0177	16-Port Single Line Telephone Extension Card with Caller ID	CSLC16	—	●	●	●	●	—	—
KX-TDA0180	8-Port Analogue Trunk Card	LCOT8	—	—	●	—	●	●	—
KX-TDA0181	16-Port Analogue Trunk Card	LCOT16	—	—	●	—	●	●	—
KX-TDA0182	8-Port DID Card	DID8	—	●	●	●	—	●	—
KX-TDA0183	4-Port Analogue Trunk Card	LCOT4	—	—	●	—	●	●	—
KX-TDA0184	8-Port E & M Trunk Card	E&M8	—	●	●	●	●	●	—
KX-TDA0187	T-1 Trunk Card	T1	—	●	●	●	●	●	—
KX-TDA0188	E-1 Trunk Card	E1	—	●	●	●	●	●	—
KX-TDA0189	8-Port Caller ID/Pay Tone Card	CID/PAY8	—	●	●	●	●	●	—
KX-TDA0190	Optional 3-Slot Base Card	OPB3	—	●	●	●	●	●	—
KX-TDA0191	4-Channel Message Card	MSG4	●	●	●	●	●	●	—
KX-TDA0192	2-Channel Simplified Voice Message Card	ESVM2	●	●	●	●	●	●	—
KX-TDA0193	8-Port Caller ID Card	CID8	—	●	●	●	●	●	—
KX-TDA0194	4-Channel Simplified Voice Message Card	ESVM4	●	●	●	●	●	●	—
KX-TDA0196	Remote Card	RMT	●	●	●	●	●	●	—
KX-TDA0284	4-Port BRI Card	BRI4	—	●	●	●	●	●	—
KX-TDA0288	8-Port BRI Card	BRI8	—	●	●	●	●	●	—
KX-TDA0290	PRI Card	PRI	—	●	●	●	●	●	—
KX-TDA0300	PC Console Software	—	●	●	●	●	●	●	●
KX-TDA0350	PC Phone Software	—	●	●	●	●	●	●	●
KX-TDA0410	CTI link Card	—	—	—	—	●	●	●	—
KX-TDA0470	16-Channel VoIP Extension Card	IP-EXT16	—	●	●	●	●	●	—
KX-TDA0484	4-Channel VoIP Gateway Card	IP-GW4E	—	●	●	●	●	●	—
KX-TDA0490	16-Channel VoIP Gateway Card	IP-GW16	—	●	●	●	●	●	—
KX-TDA0820	SD Memory Card for Software Upgrade	—	—	—	—	—	●	—	—
KX-TDA0920	SD Memory Card for Software Upgrade to Enhanced Version	—	—	—	—	—	●	●	—
KX-TDA1176	16-Port Single Line Telephone Extension with Caller ID and Message Lamp Card	MCSLC16	—	—	—	—	—	●	—
KX-TDA1178	24-Port Single Line Telephone Extension with Caller ID and Message Lamp Card	MCSLC24	—	—	—	—	—	●	—
KX-TDA1180	8-Port Analogue Trunk Base Card with Caller ID	CLCOT8	—	—	—	—	—	●	—
KX-TDA1186	8-Port Analogue Trunk Daughter Card with Caller ID	CLCOT8E	—	—	—	—	—	●	—
KX-TDA3105	Memory Expansion Card	MEC	—	—	—	—	—	—	●
KX-TDA3161	4-Port Doorphone Card	DPH4	—	—	—	—	—	—	●
KX-TDA3162	2-Port Doorphone Card (German Type)	DPH2	—	—	—	—	—	—	●

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Model No.	Description		KX-NCP 500/1000	KX-TDE 600	KX-TDE 100/200	KX-TDA 600	KX-TDA 100/200	KX-TDA 100D	KX-TDA 30
KX-TDA3166	8-Channel Echo Cancellor Card	ECHO8	—	—	—	—	—	—	●
KX-TDA3168	Extension Caller ID Card	EXT-CID	—	—	—	—	—	—	●
KX-TDA3171	4-Port Digital Extension Card	DLC4	—	—	—	—	—	—	●
KX-TDA3172	8-Port Digital Extension Card	DLC8	—	—	—	—	—	—	●
KX-TDA3173	4-Port Single Line Telephone Extension Card	SLC4	—	—	—	—	—	—	●
KX-TDA3174	8-Port Single Line Telephone Extension Card	SLC8	—	—	—	—	—	—	●
KX-TDA3180	4-Port Analogue Trunk Card	LCOT4	—	—	—	—	—	—	●
KX-TDA3182	3-Port DID Card	DID3	—	—	—	—	—	—	●
KX-TDA3183	2-Port Analogue Trunk Card	LCOT2	—	—	—	—	—	—	●
KX-TDA3188	E-1 Trunk Card	E1	—	—	—	—	—	—	●
KX-TDA3191	2-Channel Message Card	MSG2	—	—	—	—	—	—	●
KX-TDA3192	2-Channel Simplified Voice Message Card	SVM2	—	—	—	—	—	—	●
KX-TDA3193	4-Port Caller ID Card	CID4	—	—	—	—	—	—	●
KX-TDA3194	2-Channel Simplified Voice Message Card	ESVM2	—	—	—	—	—	—	●
KX-TDA3196	Remote Card	RMT	—	—	—	—	—	—	●
KX-TDA3280	2-Port BRI Card	BRI2	—	—	—	—	—	—	●
KX-TDA3283	1-Port BRI Card	BRI1	—	—	—	—	—	—	●
KX-TDA3450	4-Channel SIP Trunk Card	SIP-GW4	—	—	—	—	—	—	●
KX-TDA3451	4-Channel VoIP DSP Card	SIP-DSP4	—	—	—	—	—	—	●
KX-TDA3470	4-Channel VoIP Extension Card	IP-EXT4	—	—	—	—	—	—	●
KX-TDA3480	4-Channel VoIP Gateway Card	IP-GW4	—	—	—	—	—	—	●
KX-TDA3820	SD Memory Card for Software Upgrade	—	—	—	—	—	—	—	●
KX-TDA3920	SD Memory Card for Software Upgrade to Enhanced Version	—	—	—	—	—	—	—	●
KX-TDA6105	Memory Expansion Card	EMEC	—	—	—	●	—	—	—
KX-TDA6110	Bus Master Card	BUS-M	—	●	—	●	—	—	—
KX-TDA6111	Bus Master Expansion Card	BUS-ME	—	●	—	●	—	—	—
KX-TDA6166	16-Channel Echo Cancellor Card	EECHO16	—	●	—	●	—	—	—
KX-TDA6174	16-Port Single Line Telephone Extension Card	ESLC16	—	●	—	●	—	—	—
KX-TDA6175	16-Port Single Line Telephone Extension with Message Lamp Card	MSLC16	—	●	—	●	—	—	—
KX-TDA6178	24-Port Single Line Telephone Extension Card with Caller ID	ECSLC24	—	●	—	●	—	—	—
KX-TDA6181	16-Port Analogue Trunk Card	ELCOT16	—	●	—	●	—	—	—
KX-TDA620	Expansion Shelf	—	—	●	—	●	—	—	—
KX-TDA6201	Mounting Kit for expanding to a 3- or 4- Shelf System	—	—	●	—	●	—	—	—
KX-TDA6920	SD Memory Card for Software Upgrade to Enhanced Version	—	—	—	—	●	—	—	—
KX-TDE0101	IP Convergence Main Processing Card	IPCMPR	—	—	—	—	●	—	—
KX-TDE0105	Memory Expansion Card	IPCMEC	—	●	●	—	—	—	—
KX-TDE0110	16-Channel VoIP DSP Card (4 Channel IP Trunk activation keys and 8 channel IP Proprietary Telephone activation keys preinstalled.)	DSP16	●	●	●	—	—	—	—
KX-TDE0111	64-Channel VoIP DSP Card (16 Channel IP Trunk activation keys and 32 channel IP Proprietary Telephone activation keys preinstalled.)	DSP64	●	●	●	—	—	—	—
KX-TDE6101	IP Convergence Main Processing Card	IPCMPR	—	—	—	●	—	—	—
KX-TDE620	Expansion Shelf	—	—	●	—	—	—	—	—

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

Model No.	Description	KX-NCP 500/1000	KX-TDE 600	KX-TDE 100/200	KX-TDA 600	KX-TDA 100/200	KX-TDA 100D	KX-TDA 30
Wireless								
KX-TDA0155	2-Channel Cell Station Unit Using a DHLG/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 DHLG/DLC Card for DECT Portable Station	●	●	●	●	●	●	●
KX-NCP0158	8-Channel IP Cell Station Unit Using a V-IPCS4 Card for DECT Portable Station	●	●	●	—	—	—	—
KX-A421	AC Adaptor for KX-NCP0158	●	●	●	—	—	—	—
KX-TDA0151	2-Channel Cell Station Unit Using a DHLG/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	—	●	●	●	●	●	—
KX-A405	Repeater	●	●	●	●	●	●	●
KX-A272	Repeater	●	●	●	●	●	●	●
KX-TCA175	DECT Portable Station (PS) Basic Model	●	●	●	●	●	●	●
KX-A431	Carry Case for KX-TCA175	●	●	●	●	●	●	●
KX-TCA275	DECT Portable Station (PS) Compact Business Model	●	●	●	●	●	●	●
KX-A430	Carry Case for KX-TCA275	●	●	●	●	●	●	●
KX-TCA364	DECT Portable Station (PS) Tough type Model	●	●	●	●	●	●	●
KX-TD7684	2.4GHz Portable Station (PS)	●	●	●	●	●	●	●
KX-TD7690	2.4GHz Portable Station (PS)	●	●	●	●	●	●	●
KX-TD7694	2.4GHz Portable Station (PS)	●	●	●	●	●	●	●

Model No.	Description	KX-NCP 500/1000	KX-TDE 600	KX-TDE 100/200	KX-TDA 600	KX-TDA 100/200	KX-TDA 100D	KX-TDA 30
IP Proprietary Telephone								
KX-NT400	IP Proprietary Telephones	●	●	●	—	—	—	—
KX-A420	AC Adaptor for KX-NT400	●	●	●	—	—	—	—
KX-NT300 series	IP Proprietary Telephones	●	●	●	●	●	●	●
KX-A239	AC Adaptor for KX-NT300series	●	●	●	●	●	●	●
IP Softphone								
KX-NCS8100 series	IP softphones	●	●	●	●	●	●	●
SIP Terminal								
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	●	●	●	○	○	○	○
Digital Proprietary Telephone								
KX-DT300 series	Digital Proprietary Telephones	●	●	●	●	●	●	●
KX-T76series	Digital Proprietary Telephones	●	●	●	●	●	●	●
Analogue Telephone								
KX-T77series	Analogue Proprietary Telephones	●	●	●	●	●	—	●
Doorphone								
KX-T30865	Doorphone	●	●	●	●	●	●	●
KX-T7765	Doorphone	●	●	●	●	●	●	●

○ Only supports connections of Analogue Line Interface and Audio Interface.  
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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-T7750	Proprietary Telephone with Monitor (12 CO keys)	●	●	●
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-T7710	Proprietary Telephone with Message / Ringer Lamp, One-Touch Dialler, Data Port	●	●	●
KX-T7101	SLT with Message Lamp, One-Touch Dialler, Data Port	●	●	●
Others				
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.  
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