

**Panasonic**  
ideas for life



**IP COMMUNICATION  
PLATFORM**

**KX-TDE600**

**Future Technology Today**



## Advanced Business Communications for IP Networks

The Panasonic KX-TDE600 Pure IP PBX system is an advanced convergence ready business telephony platform that is designed to leverage the most of your IP Network. Targeting single or multi-site, medium to large businesses, this system supports connectivity for both network and desktop solutions. The KX-TDE600 system supports a range of intuitive and easy to use telephony terminals designed to enhance business productivity.



### KX-TDE600 - Solutions For A Connected World

For businesses, personal contact with customers is a significant factor for success, and the telephone system, whether it's IP, traditional telephony or employing wireless technology, is at the heart of this communication. Panasonic provides high-quality, reliable applications and solutions to ensure your business success.

### Endless Possibilities With IP, DECT Or Digital Terminals

The KX-TDE600 is a highly modular communication platform that can quickly adapt to your communication requirements at any time. Businesses can choose from any type of telephone terminal – Stylish IP or Digital Telephones, Standard SIP and DECT wireless handsets.



IP COMMUNICATION PLATFORM



## Streamline Communications With VoIP Technology

The Panasonic KX-TDE600 advanced communication system leverages the latest 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.

### SIP Trunking

Using the built-in SIP trunking interface, businesses now have the ability to connect the KX-TDE600 IP Communication System to the growing list of SIP based Internet Telephony Service Providers (ITSP) to achieve low-cost VoIP calls over a managed broadband IP network. If companies prefer - they can use the SIP trunk as their primary low-cost trunk interface sending and receiving calls over broadband IP network and use PRI or even analogue trunks as a backup.



### Easy IP Migration

A straight forward and smooth migration path is the key for customers upgrading to converged solutions. Panasonic offers a simple yet reliable solution to make it easy for existing customers with KX-TDA Hybrid PBX systems to effortlessly migrate or upgrade to IP Telephony. By simply exchanging the Main Processor Card, customers can take advantage of all the new features and benefits from true convergence, while protecting their current telephone infrastructure.



### An Affordable Investment - Protected For The Future

Need a Solution that won't soon become out of date - the Panasonic KX-TDE600 IP PBX is designed to be modular, extensible and flexible in both technology and the business application solutions it provides. Convergence ready - the systems can still leverage digital extensions and PRI trunks. Considering the many features, applications and solutions, the KX-TDE600 system is extremely cost effective, providing a quick return on investment.





### **KX-TDE600 – Key Benefits**

The new KX-TDE600 IP PBX is packed with features and applications that can enhance your business productivity and have a direct impact on your business communications bottom line. Some of the key benefits include:

- Lower cost calls utilizing your internet service provider
- Compatible with IP extensions as well as standard SIP phones
- IP Phones and softphones for remote workers and road warriors
- Compatible with a variety of desktop, network, and business applications
- Increases productivity with Wireless Solutions (DECT)
- Easy migration (upgrade from a TDA600 to TDE600, simply by exchanging the Main Processor Card)
- Advanced messaging with KX-TVM50/200 Voice Processing Systems
- Mobility application supporting mobile phones as office extensions
- Reduced total cost of ownership (installation and network call costs reduced)
- Centralized maintenance and upgrades





## Panasonic Telephone Terminals Perfect For Any Business

Panasonic provides a wide range of telephone terminals to suit your business needs, including Digital, IP, SIP, and DECT - All are compatible with Panasonic's range of solutions. For businesses, personal contact with customers is a significant factor for success. Keeping in touch is at the heart of all communications - without any concern as to how the communication is conveyed: via IP, by traditional telephony or by employing wireless technology. What is crucial for businesses is quality and reliability. With such a wide choice of telephone terminals to choose from, Panasonic provides a solution suitable for all business industries including hospitality, health services, education, local council/government, sales, and much more.



### IP Telephony

During the late 1990's the internet really began to change the way data was communicated and the telephone industry progressed to using Internet Protocol (IP) telephony. IP Telephony today is just as reliable, has many advanced features, and can be used in the home, local or remote office locations.



Panasonic KX-TDE600 IP PBX supports the KX-NT300 Series IP telephones that are stylish, intuitive, user friendly, and comfortable to use by all system telephone users. The NT300 series IP telephones take you to a new dimension in audio quality, communications productivity, broadband network connectivity and customer care. These IP telephones bring you the power of the advanced KX-TDE600 IP PBX system - allowing quick access to the entire spectrum of the PBXs additional features and applications. The IP telephones offer superb voice quality thanks to hands free speakerphone, acoustic echo cancellation, and support for wide-band G.722 audio.



#### **KX-NT366**

- 6-Line Backlit Display
- 4 x 12-Self Labelling, Flexible CO Buttons
- Speakerphone
- 2 Ethernet Ports (100 Base-T)
- Power-over-Ethernet (PoE)
- Bluetooth® Module (Option)



#### **KX-NT346**

- 6-Line Backlit Display
- 24 Flexible CO Buttons
- Speakerphone
- 2 Ethernet Ports (100 Base-T)
- Power-over-Ethernet (PoE)
- Bluetooth® Module (Option)
- Add-on 12-Key Module (Option: KX-NT303) or Add-on 60-Key Module (Option: KX-NT305)



#### **KX-NT343**

- 3-Line Backlit Display
- 24 Flexible CO Buttons
- Speakerphone
- 2 Ethernet Ports (100 Base-T)
- Power-over-Ethernet (PoE)
- Bluetooth® Module (Option)
- Add-on 12-Key Module (Option: KX-NT303) or Add-on 60-Key Module (Option: KX-NT305)



#### **KX-NT321**

- 1-Line Display
- 8 Flexible CO Buttons
- Speakerphone
- 2 Ethernet Ports (100 Base-T)
- Power-over-Ethernet (PoE)

#### **OPTIONS FOR KX-NT**

##### **Add-on Key Module**



##### **KX-NT303**

Add-on 12-Key Module  
(For KX-DT343/NT343 and KX-DT346/NT346 only)



##### **KX-NT305**

Add-on 60-Key Module  
(For KX-NT346 and KX-NT343 only)

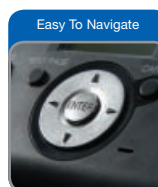


##### **KX-NT307**

**Bluetooth® Module**  
for Bluetooth® headset support



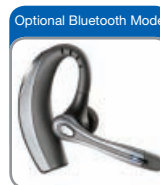
Back-lit LCD Display



Easy To Navigate



Multi-tilt Angle Adjusting



Optional Bluetooth Mode



Self Labelling Keys



## The Perfect Match – Panasonic Digital Telephones

Digital telephony was established in the 1980's as a technological progression from the traditional analogue telephony system. It is reliable and provides a wide range of features.

The Panasonic KX-DT300 Series advanced desktop phones are designed for business users who require a range of feature-rich telephony devices to match their constantly changing business needs.

These easy to use, advanced business class telephone devices are designed for effective daily communications. Connected to the Panasonic IP PBX Communication platforms, the digital terminals are extremely reliable and provide a wide range of features to support the right solution for all your business applications.

### OPTIONS FOR KX-DT

#### Add-on Key Module



#### KX-NT303

Add-on 12-Key Module  
(For KX-DT343/NT343 and  
KX-DT346/NT346 only)



#### KX-DT390

Add-on 60-Key Module  
(for KX-DT343 and  
KX-DT346 only)



#### KX-NT307

**Bluetooth® Module**  
for Bluetooth® headset  
support

#### KX-DT301

Optional USB Module  
For Desktop CTI  
Applications (KX-DT343  
and KX-DT346 only)



### KX-DT346

- 6-Line Backlit Display
- 24 Flexible CO Buttons
- Speakerphone
- Bluetooth® Module (Option)
- Add-on 12-Key Module (Option: KX-NT303)  
or Add-on 60-Key Module (Option: KX-DT390)



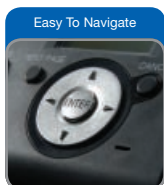
### KX-DT343

- 3-Line Backlit Display
- 24 Flexible CO Buttons
- Speakerphone
- Bluetooth® Module (Option)
- Add-on 12-Key Module (Option: KX-NT303)  
or Add-on 60-Key Module (Option: KX-DT390)



### KX-T7667

- 1-Line Display
- Flexible CO Buttons (12 CO Buttons)
- Speakerphone





## DECT 6.0 Multi-Cell DECT System

The Panasonic Multi-Cell Dect system offers basic, business, or tough-type DECT handset solutions to fit your communication mobility needs. The KX-TD7695 DECT handset combines its small size and light weight with a host of other powerful features and is ideal for normal business use. The KX-TD7685 is a good choice for users who want good basic performance at a lower cost. For harsh work environments, the KX-TD7696 ruggedized handset meets strict dust and splash resistant IP54 standards.



The Panasonic office mobility solution lets you carry on your conversation over lightweight, business-smart wireless DECT terminals while you are away from your desk or moving around the office. Using Wireless XDP (eXtra Device Port), users can set their DECT wireless handsets to have the same extension as their desk phone, and then receive calls even when away from their desk. The Multi-Cell DECT System is an integrated wireless mobility solution providing automatic hand-over between installed wireless cells - enhancing coverage and giving you true communication mobility even within large premises.





**The strong features of the mobile power packs**

**KX-TD7696**

- Blue backlit display: better readability, even during the day
- Illuminated keypad: makes operating easy in all lighting conditions
- Easy menu navigation via joystick and big icons: allows single-handed operation
- Programmable keys
- Personal telephone directory with up to 100 entries
- Access to 1000 directory entries of your Panasonic telecommunication system
- Integrated speakerphone
- 3 appointment calls / alarm clock
- 16 languages for menu navigation
- 9 polyphonic ringtones and 6 further ringtones
- Different call indications for internal, external calls...etc.
- LED call indication (red, green, orange) to differentiate between external/internal/VIP calls
- Headset-jack
- Vibration
- Meeting mode
- Dust and splash water resistant
- Shock resistant
- IP54 compliant



**KX-TD7695/ KX-TD7685**

- Blue backlit display: better readability, even during the day
- Illuminated keypad: makes operating easy in all lighting conditions
- Easy menu navigation via joystick and big icons: allows single-handed operation
- Programmable keys
- Personal telephone directory with up to 100 entries
- Access to 1000 directory entries of your Panasonic telecommunication system
- Integrated speakerphone
- 3 appointment calls / alarm clock
- 16 languages for menu navigation
- 9 polyphonic ringtones and 6 further ringtones
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- LED call indication (red, green, orange) for differentiate between external/internal/VIP calls
- Headset-jack
- Vibration\*
- Meeting mode\*



KX-TD7695



KX-TD7685



**KX-TDA0155**

Cell Station 2 speech path



**KX-TDA0156**

PPT I/F Cell Station 4 speech path CS I/F



**KX-TDA0158**

Cell Station 8 speech path

**DECT Required Equipment and Maximum Number of Calls**

| Cell Station     | Connection Card  | Maximum Calls | Compatible PSs |
|------------------|------------------|---------------|----------------|
| <b>KX-TDA155</b> | DHLC,DLC         | 2             | TD7685         |
| <b>KX-TDA156</b> | Cell Station I/F | 4             | TD7695         |
| <b>KX-TDA158</b> | DHLC,DLC         | 8             | TD7696         |

## Advanced Messaging Solutions By Panasonic

### KX-TVM50/200 Voice Messaging Systems – Never Miss A Call

The human voice is still the best way to communicate. Panasonic offers two feature packed voice processing systems designed for efficient communication. The KX-TVM50 and KX-TVM200 offer automated attendant, automatic call routing, and message notification, each of which can be customized to your individual needs.



#### KX-TVM Key Features:

The KX-TVM50/TVM200 offer a host of voice messaging based features such as:

- Voice Messaging Service
- Automated Attendant Service
- E-Messaging (email notification with voice message attachment)
- Interview Service
- Voice Mail Menu on LCD of system phones for easier operation
- Caller Name Announcement
- Called ID / CLIP based Greetings
- Call Screening
- Call Recording
- Holiday Service
- Multi-Lingual Voice Prompts
- Fax Detection / Routing

With the KX-TVM50 and KX-TVM200, Panasonic delivers new levels of communication with ease and efficiency that can help any business achieve high productivity.

### Centralized Voice Mail

For networked multi-site deployments, centralized voice mail is possible for up to 8 networked TDE Pure IP PBX systems. Extension users from each branch site can forward calls when in a busy or no-answer state to the central voice messaging system and access messages by using VM access codes.



### Health service

A telecommunication system in nursing facilities and resident housing must have a high level of reliability to meet the requirements of staff. Panasonic's KX-TDE600 PBX system meets these requirements and offers custom-made solutions that can be integrated to support administrative tools and emergency call systems. The investment ensures security by flexible, future-safe technology.



### Sales

In today's competitive world, personal contact becomes ever more important to the customer. Customer satisfaction, maximum flexibility and accessibility provide the crucial lead in this sector. With a solution from Panasonic, everything that you need is already built in as standard.



### Hospitality

The Hospitality market requires the communications system to be flexible, economical, and easy to use, with maximum reliability and adaptability for the individual needs. The possibility of PC integration to allow guest room billing and system management has also become a requirement of this sector. Panasonic's KX-TDE600 PBX System is perfectly equipped with all these necessary hospitality features and solutions.



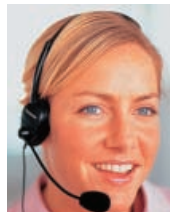
### Construction

Customers like to invest in well built products, displaying them attractively within a delightful environment. These same guidelines should also be followed by your telecommunication systems. When it comes from Panasonic, you can be sure that all these important points have been meticulously followed – customers can be proud to own a Panasonic system.



### Legal

The legal industry of law firms, notaries, attorneys, and solicitors etc have specific requirements when it comes to business communication. Attorney client conversations may need to be recorded – or clients may need to be billed for calls. Law firms may prefer to have secure entrances monitored via IP cameras. Panasonic's KX-TDE600 PBX addresses all these unique communication needs of the legal industry – yet provides all these solutions in a cost effective way.



### Administration

Public administrators see themselves today, more than ever, as service providers. Their services must be carried out in spite of the increasing pressure of cost management for government, council and municipal authorities. Panasonic offers such establishments of a telecommunications solution which helps them maintain and keep their costs in check.



### Medical

To be able to work effectively and comfortably in a medical environment, it is necessary that the communication platform adapt perfectly to fit the needs of the health industry. With safe wireless mobility, advanced call distribution and flexible CTI, Panasonic provides an effective solution and allows easy integration with life saving technologies.



### Customer Service

We all would like to offer our customers the best service we possibly can, and while you might be the best today, what about tomorrow? Panasonic communication platforms offer service-orientated solutions, which can be expanded to meet your customer's needs now and well into the future.



### Logistics

Logistics requires smooth and reliable transport of information. This is why logistics companies have particular requirements when it comes to telecommunication systems. With the possibility for integration into CRM solutions and mobile accessibility, Panasonic systems can become the driving force for your businesses.



### Production enterprises

High flexibility, economy and reliability as well as adjustment to individual needs are important criteria, which communication platforms must fulfil. Panasonic's KX-TDE600 PBX outshines here as it was developed with manufacturing plants and production departments in mind. With its ultramodern design and future ready solutions, experience a new dimension of efficient communication.





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