Office Communication Systems

KX-TDE100
KX-TDE200

New Telephony Systems Offering Solid IP Solutions
A Pure IP PBX for an IP Platform and Traditional Telecom Lines.

Today’s offices are shifting from traditional telecom systems to low-cost, flexible IP systems that take full advantage of the rapid growth in IP applications and globalisation. The KX-TDE100 and KX-TDE200 can be used to construct a full-IP telecom system, making them a perfect match for these new communications systems. The KX-TDE100 and KX-TDE200 offer new, standard-equipped IP functions that boost efficiency and lower communication costs. They also include convenient and highly effective features such as wireless operation, voice mail and CTI. For companies planning to switch to a full-IP system, Panasonic IP-PBX systems offer a scalable, easy-to-use platform that adapts to a wide range of business fields for future expansion. In addition, these models also support traditional telecom lines, so they allow IP systems to be integrated with conventional telecom systems such as ISDN and analogue lines. Depending on the office environment, it may be difficult to switch an existing traditional telecom line to a full IP system all at once due to time and cost restrictions. The KX-TDE100 and KX-TDE200 respond flexibly to needs like this. By changing the main board in the current TDA series, a new system can be easily constructed. This lets the KX-TDE100 and KX-TDE200 provide optimal solutions for companies that want to smoothly migrate to an IP system while continuing to use their existing telecom network.

Key features of the Panasonic KX-TDE100/TDE200

- **Full-IP compatibility**
  - Low-cost, flexible IP system construction
  - Using an IP network to reduce costs.

- **Outstanding versatility**
  - Because the KX-TDE100/TDE200 are compatible with existing infrastructure (Analogue/ISDN lines, etc.), they are ideal for offices that want a phased migration to an IP system.
  - Partial incorporation of an IP system into a traditional telecom system. Switching to a full-IP system in the future.

- **Attractive system for TDA users**
  - The functions of the newest TDE series can be used by simply replacing IPCMPT Card.

![Diagram](image-url)
The TDE uses the same PC programming software operation that is used in the TDA series and supports multi-site programming. It is able to manage up to four TDEs on the network by PC operation.
Panasonic TDE Series...
Power Enhancing Features

The KX-TDE series Pure IP PBXs are advanced corporate communication systems providing IP telephony features and functionalities over both local and broadband IP networks. They are an ideal communication platform to help customers solve all their business telephony needs today as well as in the future as they embrace full IP telephony, empowered with the latest SIP technology.

New IP Features in the TDE

- **Full-IP compatibility**
  - Up to 64 IP-proprietary telephones and 32 IP-trunks with the optional DSP card.
  - Up to 128 standard SIP phones.
- **Support for the new IP-PT KX-NT300 series**
- **Fully equipped with KX-TDA functions and solutions**
- **Server connection**
  The TDE series will connect DHCP/SNTP servers and SNMP manager as either client or agent.
- **Enhanced walking extension**
- **Built-in Simplified Voice Message**
- **Easy Maintenance**
  - Using a PC Programming Software, with the same method as the TDA series.
  - 2 Built-in LAN ports
- **Multi-site Programming** (up to 4 sites)

Full-IP compatibility

Allows the use of an IP trunk line (H.323) and an SIP trunk, IP-PTs, IP softphone, and SIP extension.

Ideal for TDA Series users

- Uses TDA’s option cards and inherits its easy operation.
- Simple setup
- Easy maintenance
- Full support of TDA features
- Upgradeable to TDE by changing the main card (IPCMPR card) in the TDA
Server connection

The TDE supports the connection of the following, allowing for enhanced efficiency and record keeping.
- DHCP client for TDE
- SNMP Agent/Alarm
- SNTP client

Enhanced walking extension (Hot Deskling)

It is possible to use any extension, and to have your extension setting available whenever you want it. This is a very useful feature when...
- You move locations
- There is no specific desk for you to use.

Built-in Simplified Voice Message

KX-TDE is preinstalled with the simplified Voice Mail feature (2 channels). Allowing for simple answering machine service.

Easy Maintenance

- Using a PC Program, with the same method as the TDA series.
- 2 Built-in LAN ports

Multi-site Programming

Up to four TDEs can be programmed by one PC at the same time when each TDE connected to the network. This function also makes it easy to set all of the PBX programs at the same time.

Best match with the new KX-NT300 Series for IP telephony

- Self labelling display (Only KX-NT366)
- Bluetooth® Module for hands-free talking
- Add-on 12-key/80-key modules (Only KX-NT346 and KX-NT343)
- Peer-to-Peer connection
  - Reduced load on VOIP resources in the main PBX unit
  - High sound quality (G.722 codec) between KX-NT300 series

TDE and TDA Comparison

<table>
<thead>
<tr>
<th>Item</th>
<th>KX-TDA Series</th>
<th>KX-TDE Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Trunk</td>
<td>H.323</td>
<td>YES (VPN)</td>
</tr>
<tr>
<td></td>
<td>SIP</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>Peer-to-Peer</td>
<td>YES</td>
</tr>
<tr>
<td>IP Extension</td>
<td>MGC</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td>SIP</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>Peer-to-Peer</td>
<td>YES</td>
</tr>
<tr>
<td>Proprietary</td>
<td>NT300 Series</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>NT136/256</td>
<td>YES*1</td>
</tr>
<tr>
<td>Telephone</td>
<td>T76 Series</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td>T77 Series</td>
<td>YES</td>
</tr>
<tr>
<td>Linkage with server</td>
<td>DHCP</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>SNMP</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>SNTP</td>
<td>NO</td>
</tr>
<tr>
<td>Wireless (DECT)</td>
<td>8CH CS</td>
<td>NO</td>
</tr>
</tbody>
</table>

*1 The TDE requires IP-Extension Card for NT136 and NT265. Upgraded NT265 (Ver.2.00 or later software) is supported without IP-Extension Card.
New Features

- Stylish Universal Design concept
  Free tilt angle (Double tilt adjustment for phone base and LCD). The phone base and LCD tilt to easy-to-view angles.
- Self labelling (Only KX-NT366)
- Hands-free talking with a Bluetooth® Headset
- Peer-to-Peer Connection
- Navigator Key
- Second Ethernet Port
- Flexible CO Buttons

Ergonomic designs offer the ultimate in easy operation. Literally filled with comprehensive IP telephony functions.

Peer-to-Peer Connection
Direct communication between KX-NT300 series is available after the communication was established by TDE series. And Peer-to-Peer communication reduces network traffic and PBX’s resource.

Self Labelling LCD (Only KX-NT366)
The KX-NT366 IP-proprietary telephone features 12 flexible buttons, with an LCD screen next to the buttons. Each item can be named on the LCD screen through personal or system programming to reflect the function of its corresponding flexible button. Plus, a total of 48 functions can be assigned to the 12 flexible CO buttons. Pressing the "NEXT PAGE" key toggles between pages.

*These features are available only on the KX-TDE100 and KX-TDE200.

Hands-Free Communication with a Bluetooth® Headset
Mounting the KX-NT367 lets you connect a commercially available Bluetooth® headset for hands-free communication (Answer a call/End a call/Voice communication). This makes it possible to operate a PC during conversations and to communicate comfortably at a distance from the telephone.
New IP Proprietary Telephone Line-up

**KX-NT366**
- 6-Line Backlit Display  
- 6-Line LCD & Self Labelling  
- Digital Speakerphone  
- 2 Ethernet Ports (100 Base-T)  
- Power-over-Ethernet (PoE)  
- Bluetooth® Module (Option)

**KX-NT346**
- 6-Line Backlit Display  
- 24 Flexible CO Buttons  
- Digital Speakerphone  
- 2 Ethernet Ports (100 Base-T)  
- Power-over-Ethernet (PoE)  
- Bluetooth® Module (Option)

**KX-NT343**
- 3-Line Backlit Display  
- 24 Flexible CO Buttons  
- Digital Speakerphone  
- 2 Ethernet Ports (100 Base-T)  
- Power-over-Ethernet (PoE)  
- Bluetooth® Module (Option)

**KX-NT303**
- Add-on 12-Key Module (Option: KX-NT303)

**KX-NT305**
- Add-on 60-Key Module (Option: KX-NT305)

**KX-NT307**
- Bluetooth® Module

More Features
- **Navigator Key**
  The Navigator key allows fast, one touch access to multiple phone system functions. The ergonomically designed navigation key makes it easy to go through phone system feature menus.

- **Second Ethernet Port**
  Reduce cable clutter on your desktop and reduce cost of cabling by using the built-in second Ethernet port to connect your personal computer (or other IP network device) to the IP network without the cost of additional cabling.

- **Flexible CO Buttons**
  One-touch function access Flexible CO Buttons save time and effort. These keys can be used to store telephone numbers, or access frequently used phone system features.

- **Add-on 12/60-CO Key Module Connection**
  Add-on 12/60-CO Key Module works as not only DSS keys but also Flexible CO Buttons. KX-NT303/NT305 Add-on 12/60-CO Key Module is connected directly to KX-NT346 and KX-NT343. Self-Labelling model KX-NT366 does not support this Module.

Options

**Add-on Key Module**
- **KX-NT303**
  - Add-on 12-Key Module (For KX-NT346 and KX-NT343 only)
- **KX-NT305**
  - Add-on 60-Key Module (For KX-NT346 and KX-NT343 only)
- **KX-NT307**
  - Bluetooth® Module
Wireless Solutions

Panasonic Wireless Solutions... Flexible Communication

The TDE’s wireless solutions enhance mobility and flexibility for offices, healthcare, big shops, etc.

Wireless for TDE series

Panasonic Office Communication Systems allow wireless communication over an extended range by using multiple cell stations that boost the flexibility and mobility of your wireless handset. Using the Wireless XDP, you can set your wireless telephone to have the same extension as your desk phone, and then receive calls even when you are away from the desk. You are always there, ready to receive customer calls, and make the most of every business opportunity that comes along.

Benefits of Wireless Telephone Integration

• Up to 128 handsets can be connected to one system
• Secure high-quality speech reproduction and excellent reliability
• Caller ID name and number compatibility*
• Programmable multiple ring patterns, including vibrate mode

*Requires subscription to a fee-based telephone service.

DECT

KX-TCA155, KX-TCA256 and KX-TCA355

• 6-line blue LCD backlight
• Illuminated keypad
• Multiple language display
• Speakerphone
• Programmable soft keys
• PBX functionality support
• 200 entry phonebook
• Headset compatible
• 9 polyphonic ringer melodies and 6 ringing patterns
• Vibrate alert*
• Meeting mode*  

*Only KX-TCA355, 256

Tough-type Model (IP54 compliant)
Business Class Wireless DECT mobility for Your Panasonic PBX System

The Tough Type KX-TCA355 handset meets strict dust- and splash-resistant IP54 standards and offers a vast array of business telephony features. The KX-TCA2S6 DECT handset combines small size and light weight with a host of powerful business telephony features. And the KX-TCA15S is an excellent choice for users who want great basic performance at a lower cost.

As for KX-TCA35S Tough Type Model

- IP54: Dust resistance (Protection from dust penetration to a level that does not interfere with the operation of the handsets)
- IP54+: Water resistance (Protection against splashing water)
- The Panasonic KX-TCA35S DECT Handset complies with UKAS IP54 testing standards.
- Impact absorbing rubber is adopted around the KX-TCA35S.
- The cabinet (outer plastic covering) is also used impact-touch materials.

Impact-absorbing rubber installed on the entire circumference

External cabinet made of impact resistant material

High-Density Cell Station

KX-TDA0158

- The KX-TDA0158CE supports eight speech paths.

Cell Stations

KX-TDA0141

DPT I/F Cell Station
2 speech path

KX-TDA0142

CS I/F Cell Station
4 speech path

Repeater (KX-A272)

Used with Repeater, the range can be extended.
A maximum of six repeaters per CS are available.

<table>
<thead>
<tr>
<th>DECT</th>
<th>Required Equipment and Maximum Number of Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Connection Card</td>
</tr>
<tr>
<td>KX-TDA0145</td>
<td>DTHO.DC.G</td>
</tr>
<tr>
<td>KX-TDA01415</td>
<td>DTHO.DC.G</td>
</tr>
<tr>
<td>KX-TDA01425</td>
<td>CS I/F</td>
</tr>
</tbody>
</table>

Maximum Terminal Equipment
The following shows the number of each terminal equipment type supported by the PBX

<table>
<thead>
<tr>
<th>Terminal Equipment Type</th>
<th>KX-TDE100</th>
<th>KX-TDF200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic CS</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>High-density CS</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>PS</td>
<td>128</td>
<td>128</td>
</tr>
</tbody>
</table>
Management Applications

Providing customers with intelligent call handling through Computer Telephony Integration (CTI).

Phone Assistant enhances personal, team and business productivity.

CTI from Panasonic
Panasonic CTI comprises both 1st Party CTI (via USB connection) and 3rd Party CTI (via LAN connection), to provide customers with unique Panasonic applications, such as Phone Assistant/ACD report server, and other customised software utilities employing TAPI/CSTI interfaces. Connecting a PC to a DPT, or connecting a CTI Server to our PBX, enables extension users to make use of advantageous features by using the stored data in the PC or the CTI Server.

The features that are available through CTI depend on the CTI application software used on the connected PCs.

1. Using USB — 1st Party Call Control
A PC is connected to a DPT via a USB port (USB module) on the DPT. The PC monitors and controls the DPT.

2. Using LAN — 3rd Party Call Control
A CTI Server is connected to the PBX using the LAN port of an IPCMPR card as a CTI interface. PCs monitor and control the PBX via the CTI Server.

Application Programming Interface (API)/Protocol
The following interfaces are required for 1st and 3rd Party Call Control.

<table>
<thead>
<tr>
<th>Type</th>
<th>API/Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Party Call Control</td>
<td>TAPI 2.1</td>
</tr>
<tr>
<td>3rd Party Call Control</td>
<td>ECMA CSTA Phase 3</td>
</tr>
</tbody>
</table>

Phone Assistant for Personal Productivity - Easy Access to Phone Features

By providing on-screen call related information like Caller ID, Calling Party’s Name and allowing users to simply point-n-click or use keyboard shortcuts to quickly handle calls - users are able to do more in less time increasing personal productivity.

Confirm colleague availability and presence
It helps in determining who is available to handle calls before you decide to call them, greatly reducing the number of unanswered calls.

Easy access to system phone functions
Wizards appear as and when you need them, helping you with most common telephony features like Transfer, Forward, Do-Not Disturb, Hold, Park, and Conference call set up.

Dial easily through your database
Users can create their own business and private contacts, show the presence and availability of all co-workers or they can simply dial external business contacts by double-clicking. The software can utilise Outlook address books for contact lists.

Integration with IP Camera
Panasonic IP Camera can also be integrated, allowing users to answer a doorphone and open the door after viewing the IP camera video feed on screen.

Record conversations directly into Voice Mail (TVM50/200)
Allows Phone Assistant users to record the conversation that they are having with a caller.
Phone Assistant Status for Supervisors and Team Leaders - Easy Call Monitoring

Business managers, supervisors, and team leaders can benefit from real-time monitoring of all team member telephony communication activities. The Phone Assistant Status application allows monitoring of up to 128 users - (combination of phone assistant users or normal phone extensions) with complete presence and availability information - perfect for any informal call centre.

Status users can pick up any ringing call being monitored, as well as silently Listen-in, Barge-in, or Take over a call. In addition - supervisors can even record a selected call - if required. Monitored extensions can also be flagged for easy identification - e.g. when monitoring a new employee or an agent in training.

Monitor employee phone status / usage
Phone Assistant Status Pro users can monitor all configured incoming calls. Monitoring allows Status users to see not only all telephony activities but also settings of the monitored users, e.g. call forwarding, absent messages, etc.

Extended reporting capabilities
The software supports extensive reporting capabilities with built-in reports as well as the ability to customize reports in order to keep track of all company telephony communications activities, such as the following.
• Status of monitored extensions
• History of all calls
• Output of call logs as CSV files

Phone Assistant Manager for the tool of IT Administrators - Easy Maintenance

IT departments can use any networked PC with a standard web browser to use the Phone Assistant Manager to create and set Phone Assistant users as well as make typical Adds/Moves and configuration changes to their TDA/TDE IP PBX. Using this tool, customers can use self help to modify simple system and extension settings like:

• Modify System Date/Time and Holidays
• Add/Modify PBX speed dial numbers
• Set system wide absent messages
• Set Call Forwarding, Do-Not-Disturb, Call Waiting etc, and
• Assign flexible programmable keys

With a properly configured office IP network, authorised IT department personnel can even remotely access and configure basic TDA PBX settings from anywhere in the world they have access to the office network.

Phone Assistant Express/Pro Specifications

<table>
<thead>
<tr>
<th>Features</th>
<th>Express V1.5</th>
<th>Pro V1.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Capability</td>
<td>5 for TDA30, 10 for TDA100/200, 20 for TDA600</td>
<td>max 128 Users (Pro trial version : 2 for TDA30, 4 for TDA100/200, 8 for TDA600)</td>
</tr>
</tbody>
</table>

Software List

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone Assistant Pro</td>
<td>KX-NCS1101</td>
<td>Software to control a telephone. License is required. KX-NCS1101 is for 1 license. KX-NCS1105 is for 5 licenses. KX-NCS1110 is for 10 licenses. KX-NCS1199 is for 128 licenses.</td>
</tr>
<tr>
<td>Phone Assistant Status Pro</td>
<td>KX-NCS1201</td>
<td>Software to monitor a call. A license is required. KX-NCS1201 is for 1 license.</td>
</tr>
<tr>
<td>Phone Assistant IP Soft-Phone Plug-in Module</td>
<td>KX-NCS9101</td>
<td>IP Soft-Phone Plug-In Module for PA Pro and PA Network Console. A license is required. KX-NCS9101 is for 1 license.</td>
</tr>
<tr>
<td>Phone Assistant Manager</td>
<td>KX-NCS1301</td>
<td></td>
</tr>
</tbody>
</table>

Phone Assistant Status Express/Pro Specifications

<table>
<thead>
<tr>
<th>Features</th>
<th>Express V1.5</th>
<th>Pro V1.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Capability</td>
<td>max 3 Users</td>
<td>max 8 Users</td>
</tr>
<tr>
<td>Extension Monitor</td>
<td>max 5 Extensions</td>
<td>max 128 Extensions</td>
</tr>
</tbody>
</table>
Informal Call Centre Systems

Bring your distributed offices closer together with the ease of IP.

ACD Report Server
KX-NVC200
ACD Report Server is designed to bring advanced call centre functions to users of Panasonic PBX systems, such as the KX-TDA100/200/600, KX-TDE100/200. This provides useful functions real-time monitoring and call centre performance reports, and agent log-in. Oftentimes, the difference between gaining or losing a new customer can hinge on a single telephone call. Panasonic’s call centre solution makes sure that every telephone call works in your favour.

Voice Processing System
KX-TVM50/TVM200
The human voice is still the best way to communicate. And with the KX-TVM50 and KX-TVM200, Panasonic introduces two feature-packed voice processing systems (VPS) designed for efficient communication. The KX-TVM50 and KX-TVM200 each offer automated attendant, automatic call routing, and message notification, and each can be customised to your needs.

<table>
<thead>
<tr>
<th>KX-TVM50/200 Specifications</th>
<th>KX-TVM50</th>
<th>KX-TVM200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Ports</td>
<td>2 to 6</td>
<td>0 to 24</td>
</tr>
<tr>
<td>Voice Message</td>
<td>Initial 4th Max. 8th</td>
<td>Max. 1024 s</td>
</tr>
<tr>
<td>Number of Mailboxes (including System Manager and Message Manager mailboxes)</td>
<td>Max. 64</td>
<td>Max. 1024</td>
</tr>
<tr>
<td>Number of Messages</td>
<td>Unlimited</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Memory Media</td>
<td>Hash Memory</td>
<td>HDD</td>
</tr>
<tr>
<td>Remote Modem</td>
<td>Modern Card (Max. 33,600 bps)</td>
<td></td>
</tr>
</tbody>
</table>

Optional Accessories

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>KX-TVM50</th>
<th>KX-TVM200</th>
</tr>
</thead>
<tbody>
<tr>
<td>KX-TVM502</td>
<td>2 - Port Hybrid Expansion Card</td>
<td>KX-TVM504</td>
</tr>
<tr>
<td>KX-TVM503</td>
<td>2 - Port Digital Expansion Card</td>
<td>KX-TVM206</td>
</tr>
<tr>
<td>KX-TVM524</td>
<td>Memory Expansion Card</td>
<td>KX-TVM204</td>
</tr>
</tbody>
</table>

System Connection Diagram
**IP Softphone**

**KX-NCS8102**

### Mobility
Enjoy smooth communications through your PC with virtually the same level of functions that you would have if you had brought your office phone with you.

### Low Cost
There’s no need for an off-site PBX or traditional telephone wiring.

### Transparent Integration
You can administer and operate IP telephones just like other extension telephones.

### Flexibility
IP technology lets you send data and voice over the same line.

### Around the world
For example, communicate with colleagues around the world with low cost and high efficiency.

### Application Examples
- Allows your employees to access the full functionality of your office telephone extension anywhere, anytime
- Staff can work remotely, efficiently & transparently
- Your business can also benefit from greater organisational flexibility

### IP Softphone on PC Screen
- User-friendly Display
- Dial Paste
- Message/Ringer Lamp (Dual Colour)
- Ping Level Display
- Programmable Keys with Red/Green LED
- Time-Saving, Easy-to-Use Navigator Key
- Record

### Icon for Compact mode

### Softphone Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alphanumeric Display LCD</td>
<td>6 lines x 24 characters</td>
</tr>
<tr>
<td>Programmable Keys with Dual Colour LED</td>
<td>24</td>
</tr>
<tr>
<td>Direct station selection (DSS) keys with Busy Lamp Field (BLF)</td>
<td>Yes</td>
</tr>
<tr>
<td>Dial Paste</td>
<td>Yes</td>
</tr>
<tr>
<td>Record</td>
<td>Yes</td>
</tr>
<tr>
<td>Station Speed Dial</td>
<td>Yes</td>
</tr>
<tr>
<td>Utilis Handset with Audio Ringer on PC</td>
<td>10 Numbers</td>
</tr>
<tr>
<td>Peer to Peer Connection with NT300 Series</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Panasonic Office Communication Systems Are Ideal for Any Business, Any Location

For the majority of businesses, personal contact with the customer is a significant factor for success. The telephone system 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. Panasonic provides wide variety of solutions to cover any individual requirements.

Hotel
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. The TDE Systems are perfectly equipped with all these necessary hospitality features and solutions.

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.

Administration
Public administrations 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 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 telecommunication system is adapted perfectly to fit the needs of this type of activity. In the field of health, Panasonic alleviates the continual increase in costs and allows easy integration with life saving technologies.

Construction
Customers like to only invest in well built products, displaying them attractively and place them within a delightful environment. These same guidelines should also be followed by your telecommunication systems. When it comes from Panasonic - you are sure that all these important points have been meticulously followed - so customers can be proud to own a Panasonic system.
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 Telecommunication systems offer service-orientated solutions, which can be expanded to meet your customer’s needs now and for days to come.

Health Service

A telecommunication system in nursing facilities and resident housing must be consistent above all to the requirements of people in need. Panasonic offers custom-made solutions that can be integrated with computers to support administrative tools and emergency call systems. The investment ensures security by flexible, future-safe technology.

Production Enterprises

High flexibility, economy and maximum reliability as well as adjustment to individual needs are important criteria, which telecommunication systems must fulfill. The KX-TDE 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.

Logistics

Logistics requires smooth and reliable transport of information. This is why logistics companies have particular requirements when it comes to telecommunications systems. With possibility for integration into modern EDP systems and mobile accessibility, The KX-TDE systems can become the driving force for your business today, tomorrow and in the future.

Legal

The legal industry of law firms, notaries, attorneys, solicitors etc have specific requirements when it comes to business communication. Attorney client conversation 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. The KX-TDE addresses all these unique communication needs of the legal industry - yet provides all these and more solutions in a cost effective manner.
# The Panasonic Proprietary Telephone Line-Up

## IP Telephones

**KX-NT136**
- IP Proprietary Telephone
- 6-Line Back-lit Display
- 24-Programmable Keys
- Digital Speakerphone
- 2nd Ethernet Port
- Power Over Ethernet (POE)

**KX-NT265**
- 1-Line Display
- 8-Programmable Keys
- Message / Ringer Lamp
- Digital Speakerphone

## Digital Telephones

**KX-T7636**
- Digital Proprietary Telephone
- 6-Line Back-lit Display
- 24-Programmable Keys
- Digital Speakerphone
- USB Connection (optional)

**KX-T7633**
- Digital Proprietary Telephone
- 3-Line Back-lit Display
- 24-Programmable Keys
- Digital Speakerphone
- USB Connection (optional)

**KX-T7630**
- Digital Proprietary Telephone
- 5-Line Display
- 24-Programmable Keys
- Digital Speakerphone

**KX-T7625**
- Digital Proprietary Telephone
- 24-Programmable Keys
- Digital Speakerphone

**KX-T7665**
- 1-Line Display
- 8-Programmable Keys
- Speakerphone

**KX-T7603**
- Add-on Key Module (12 Co Keys)

## Analogue Telephone

**KX-T7710**
- Proprietary Telephone
- 8-Programmable Keys
- Modem Data Port
- Message Waiting LED
- Ideal as an office or hotel room phone
- One-touch Button Panel

**KX-T7640**
- Digital DSS Console (60 DSS)

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