

# KX-TDA100 KX-TDA200

Digital Hybrid IP-PBX System



**Panasonic ideas for life**

## Creating the Intelligent Communications Environment

For more than 40 years Panasonic has been a major worldwide innovator of business telephone systems achieving number one market share in Key Telephone/Hybrid Systems.\* The business environment is constantly changing, and Panasonic continues to be an integral part of that rapidly changing business environment by providing state-of-the-art telephone equipment, which includes wireless connectivity. Keeping in touch with your customers is a key element in maintaining a good business, and Panasonic is there to help make that happen.

\*Source: PBI Media, Infotech, Infotrac 2004 full year report for market share in the United States for shipments of key Telephone/Hybrid Systems.



## Complete Communication Solution

Nowadays, if your business is to remain competitive, it needs a communication solution that can change rapidly with you.

The KX-TDA was designed not only to provide growth for your business, but also to give you the tools you need to provide business solutions at an affordable price.

In business environments with employees that are constantly on the move or away from their desks the KX-TDA offers state-of-the-art wireless capability designed as part of the system.

The KX-TDA is designed to be a flexible system. It can easily be configured from 8 extensions up to 256 with DXDP, allowing the system to grow with your company. Each system is programmable to fit the specific needs of your company, and since the system is designed with flexible slots you can install any of our interface trunk, extension or optional cards at any time. Plus, this system is compatible with many of our telephones an even more personalized feel. Tailor the system to fit your needs, and let it work for you.

For businesses that have multiple locations our system can be networked together using advanced IP technology, ISDN, or basic T1 services. The KX-TDA networking solution supports Centralized Voice Mail and Network BLF. With Centralized Voice Mail, one Voice Mail System can service all locations within the network. The network BLF feature allows you to view the status of extensions in other locations within the network. The KX-TDA is a smart investment for your needs today, as well as, for tomorrow.



# The Panasonic KX-TDA100 KX-TDA200

**A complete communications solution for both small and medium sized businesses.**

# System Overview

The design of the KX-TDA100 and KX-TDA200 allows you to expand your system as your needs grow by simply plugging in additional cards and adding telephones. All of the expansion card slots are universal, so that any card can be plugged into any universal slot, allowing maximum use of what's available within the cabinet. What's even better is the TDA expansion cards operate on both the KX-TDA100 and KX-TDA200 systems. That means if you outgrow the KX-TDA100 system, you can unplug the expansion cards from that system and plug them directly into the KX-TDA200 without having to buy a whole new system.

In terms of maximum system capacities the KX-TDA100 can offer up to 96 ports and the KX-TDA200 can offer up to 192 ports with 128 wireless telephones.

All of the Panasonic KX-T7000, 7200, 7300, 7400, 7600 and 7700 proprietary telephone series work with the KX-TDA100 and KX-TDA200 systems, so if you already own a Panasonic system with one of these phone series it will be inexpensive to upgrade to the KX-TDA system. And, while you are upgrading, don't forget that the KX-TDA100 and KX-TDA200 can also be easily upgraded to our multi-cell wireless telephones so it's easy to keep on top of things in a busy working environment.

Additionally, the KX-TDA has a small, compact design. But, that does not diminish its capabilities. A state-of-the-art engineering design has enabled the production of a small system that provides for a large amount of features while taking up less room.

One important thing to note about this system is that there is always a dial tone waiting for each phone that is connected to the system – even during the busiest times of the day. Where some systems only allow a certain number of calls to be made at any given time, these systems do not limit the number of calls.

The KX-TDA allows you to add a new level of security to your business with the support of optional door intercoms and electrical contacts that permit you to control an electronic door strike or any other compatible electric device through the telephone. Each door intercom has its own distinctive ring and LCD display information so you can easily identify which door phone has been activated. The KX-TDA100 supports up to 8 (16 on the KX-TDA200) door phones and 8 contact closures (16 on the KX-TDA200).



**KX-TDA100**



**KX-TDA200**

<b>*Maximum System Capacities</b>				
	Maximum Number of Ports	Maximum Number of CO's	Maximum Number of KX-T7600 Series Proprietary Wired Telephones	Maximum Number of Wireless Telephones
<b>KX-TDA100</b>	96	64	64/128 DXDP	128
<b>KX-TDA200</b>	192	128	128/256 DXDP	128

\*System capacities will vary depending on the type of interface that is used to connect to the system.

## 2.4GHz Wireless Telephone

Integrating a 2.4GHz cordless telephone with the KX-TDA means that the benefits of the system are not left behind when you leave your desk.

Digitally enhanced cordless telephony allows voice and data transmission via radio waves, within the range of strategically placed base stations. As you move throughout the coverage area, the system provides seamless communication by handing off the call from cell station to cell station. It's a low-cost and highly flexible solution that keeps people connected whether they are on the factory floor, in the warehouse, in a showroom or just about anywhere on site.



### Benefits of 2.4GHz Wireless Telephone Integration

- Multiple handsets can be connected to one system
- Handsets can be registered on multiple systems
- Secure high quality speech reproduction and excellent reliability
- Caller ID name and number compatible<sup>1</sup>
- Programmable multiple ring types, including a vibrating mode
- Access to 1000 system and 100 personal speed dial number



#### KX-TD7690

- Premium Cordless Handset
- Only 2.57 Ounces
- Up to 12 CO or Feature Soft Keys can be Programmed
- Speakerphone
- Auto Answer
- 2.5mm Headset Jack
- 5 Line LCD Display



#### KX-TD7680

- Cordless Handset
- 5.3 Ounces
- Up to 12 CO or Feature Keys can be Programmed
- Speakerphone
- Auto Answer
- 2.5mm Headset Jack
- 3 Line LCD Display

<sup>1</sup> - Requires subscription to fee-based telephone service.



# Features that Mean Business

The Panasonic Digital Proprietary Telephone comes in four models. With features such as an easy-to-read large backlit LCD and four tilt positions, it not only looks good but

makes life simple for users too. The KX-TDA system also makes it easy to accommodate other model Panasonic System Telephones, single line, fax machines or modems.

## Multifunction LCD

- Alphanumeric LCD providing simple key access to:
- Incoming callers name and number (Caller ID<sup>1</sup> required)
  - Call log – up to 100 incoming and 10 outgoing calls can be recalled and redialed (Caller ID<sup>1</sup> required)
  - Alpha tagging of exchange lines
  - Call duration
  - Message waiting, absent messages feature set
  - Calling extension name

## Large Backlit LCD Display

- Up to 6-line display

## Message Lamp

- Large message/ringer lamp- Alerts you when voice mail messages are left.

## Menu Screen Prompts

- System/personal speed dials/user selected functions
- Extension lists
- Feature access
- System guidance

## Ringtones

- 20 ringtones and 10 melodies

## Hands-Free Speakerphone

- Integrated speaker for hands-free operation

## Headset Jack

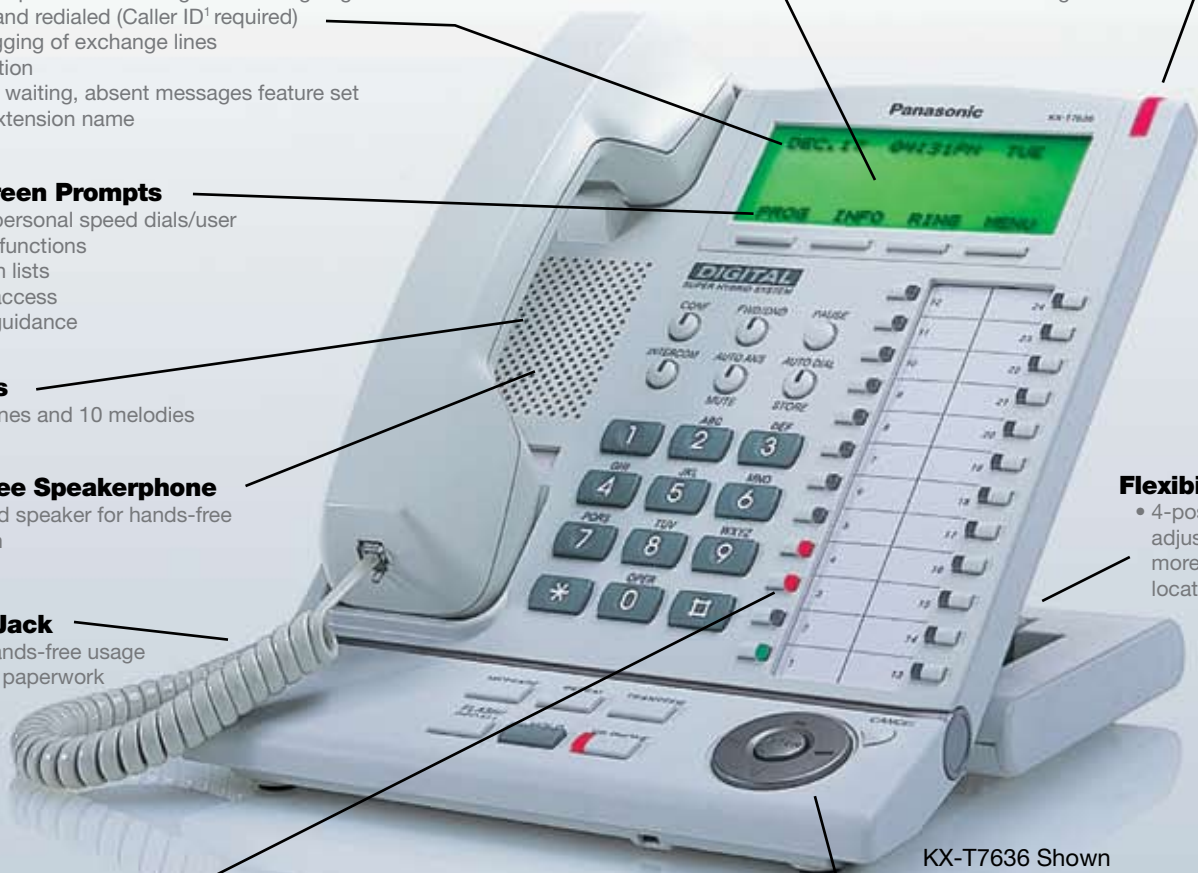
- Allows hands-free usage for PC or paperwork
- 2.5mm

## Programmable Keys

24 keys with Tri-Color LED's  
12 Extra (with optional KX-T7603 12-key add-on module)

## Flexibility

- 4-position angle adjustment for more flexibility of location and use



KX-T7636 Shown

## Navigation Key

- Fast and reliable operation
- Adjust handset, speaker and ringer volume
- Adjust LCD contrast
- Search through speed dial
- Access menu options

## Each key can be individually programmed as:



### CO Key

- Direct access to a CO line



### Direct Station Selection (DSS) Key

- One key access to Stations or Station groups



### Auto-Dial Key

- 32 digits can be programmed per key for external calling



### Features Access Key

- Simplified activation of system features

# Information—The Key to Successful Business

## Alphanumeric/LCD Display

By providing visual feedback, the user-friendly display makes it easy to handle calls and perform other tasks. You can use the display to view a variety of information or access the KX-TDA system's many features. And you can also make calls by following the visual prompts shown on the display.

The KX-T7636 proprietary phone features a 6-line, 24-character per line backlit LCD. This display allows you to list your personal call log, alphabetical phone list, table of speed dial numbers and Voice Mail Menus<sup>1</sup> up on the screen and dial directly from it using one of the soft keys next to the display. You can even program system features via the user friendly LCD prompts.

## Digital Extra Device Port (DXDP)

DXDP provides a cost-effective solution for adding a second telephone without running a second telephone line. You can connect any KX-T7600 series telephones. In addition, DXDP can be programmed with different numbers and both telephones can operate at the same time.

## Flexible CO Line Buttons

The Central Office line buttons of each telephone in the system

can be individually programmed to suit the specific needs of each of your employees. You can program CO line buttons for Direct Station Selection (DSS), Busy Lamp Field (BLF), automatic dialing or one-touch access to the feature used most often. But, the most important thing to remember is that each telephone can be custom tailored to each individual employees' needs to help achieve maximum efficiency.

## Navigator Key

Panasonic 7600 Series display phones feature a navigator key for easy access and operation of both system and personal speed dial lists, Voice Mail Menus<sup>1</sup> as well as, speaker and handset volume controls.

## Hands-Free Speakerphone

All the KX-T7600 series telephones are equipped with a state of the art Digital Duplex Speakerphones, providing clear hands free communication for both internal and external calls.


## Tilt Angle Adjustment

You can adjust the angle of the telephone easily while it's in place on your desk using the unique 4 position angle adjustment that's built in to all KX-T7600 series telephones, 60 Button DSS and the 12 Button add on module.

## Choose From A Wide Range of System Telephones

The KX-TDA system is available with a full range of digital proprietary telephones and a DSS console. If 24 keys are not enough, a simple 12-key add-on DSS module (KX-T7603) provides the answer. It's suitable for the KX-T7636 and the KX-T7633. If you are looking for an even

larger DSS console, the 60-key KX-T7640 is also available. All proprietary telephones in the range (including DSS console, 12 key add-on module and USB port options) are available in charcoal/black or white.

Models						
Features	KX-T7636	KX-T7633	KX-T7630	KX-T7625	KX-T7640	KX-T7603
LCD	6-Line	3-Line	3-Line	No	No	No
CO Line Buttons	24	24	24	24	60	12
Speakerphone	Digital Duplex	Digital Duplex	Digital Duplex	Digital Duplex	No	No
Headset Jack (2.5mm)	Yes	Yes	Yes	Yes	No	No
Backlit LCD	Yes	Yes	No	No	No	No
DXDP	Yes	Yes	Yes	Yes	No	No
USB Interface	Option	Option	No	No	No	No
12 Key Add-On Module	Option	Option	No	No	No	Yes
Navigator Key	Yes	Yes	Yes	Yes	No	No
Dual Color LEDs	Yes	Yes	Yes	Yes	Yes	Yes
Colors: Charcoal&White	Yes	Yes	Yes	Yes	Yes	Yes

**Panasonic has a range of headsets to decrease discomfort and fatigue, for use with these telephones.**

<sup>1</sup> When connected to a Panasonic KX-TVA Voice Processing System.

## System Features

### Secure Digital (SD) Card

Reliability is key with any telephone system. The system software and local database information are stored permanently on the removable Panasonic SD (secure digital) card. If for some reason the system suffers a catastrophic failure, you can be assured that all the important information on your system can be easily loaded back into the system from the SD card. In addition, the SD card makes it a simple task to upgrade the system with new features.



actual size

### Programming and Maintenance

Panasonic certified technicians have multiple password protected access points to program the system and perform maintenance. The system is equipped with a built-in RS232 and a USB port for onsite access. The system can also be set up so it can be accessed remotely via an optional dial up modem or through the Internet.

### Telephone Application Programming Interface (CSTA TAPI version 2.1) Compliant

TAPI compliance provides software developers a common interface when developing applications for a telephone system in a Microsoft LAN (Local Area Network) environment. By supporting the TAPI compliant interface more applications may be available for you to use and harness within your company.



## System Calling Features

### Automatic Callback Busy (Camp On)

When making an intercom or CO call and the line is busy, you can execute a call back. When the busy line becomes free the system will automatically alert the user that the busy extension has become free. Once that line is picked up it will automatically redial the line that was initially busy. This is a great convenience for those who wish to continue other projects instead of waiting around for a call to go through.

### System Speed Dialing

The KX-TDA100 and KX-TDA200 each provide up to 1000 system speed dial numbers (32 digits long for each) for all extension users. With the optional KX-TDA0105 MEC Card installed, the speed dial capacity is expanded to 8000 32-digit numbers. Both the user and the system administrator can program system speed dial numbers and names.

Additionally, some models in the KX-T7600 series, such as the KX-T7636, KX-T7633 and the KX-T7630 telephones, allow you to scroll through the speed dial list and simply hit the speakerphone key to dial the number. This feature can be used for both system and personal phone numbers.

### Conferencing

The KX-TDA100 and KX-TDA200 systems allow the user to have multiple conference calls from 3-party up to 8-party calls at the same time. This feature can prove to be quite beneficial for those who do a lot of conference calling within the same company.

### Account Codes

Account codes can help manage your telephone expenses by identifying incoming and outgoing external calls for accounting and billing purposes. The system can be programmed to force the use of an account code or not. The account

code is appended to the Station Message Detail Recording (SMDR), which is very useful for billing back clients, or to simply keep a record of the time spent on the telephone for a specific project.

### Incoming Call Distribution

The KX-TDA can be programmed to handle incoming calls so they get to the correct department or individual without any disruption to the caller. No matter what type of business you are in, the KX-TDA can manage your incoming calls. The



options are almost limitless. Calls can be directed to a specific individual, group, a live attendant, an auto attendant, voice mail or any combination of those just mentioned.

### Direct Inward System Access (DISA)

With the optional KX-TDA0191 4-Channel Message Card, the KX-TDA100 and KX-TDA200 systems allow an outside caller to



access specific system features without operator assistance, as if the caller had an extension in the system. The outside caller can have direct access to the following features: single-digit access to extensions, outside party calling, intercom calling to an extension, modem (for remote system administration), external paging (for TAFAS), phantom extension and extension group. Additionally, callers can be required to dial a security code to access extensions or the system's outside lines.

DISA also offers a built-in Auto Attendant. With the Auto Attendant you can record a preprogrammed message for incoming calls. This message would direct callers to press a certain number for the extension they wish to reach. By doing so, the Auto Attendant can route callers to their desired location through answering a few preprogrammed questions. This will save time for both the caller and those who would otherwise have to direct call traffic.

### Caller ID/Call Logging<sup>1</sup>

Caller ID displays the incoming caller's phone number, or name and number (if provided by the local phone company), when used with a Panasonic system display phone. Calls that are answered or not answered that are directed to a group or an individual extension can be logged, and the total calls that can be logged is assignable through system programming on a per extension basis. Logged calls can be called back by going off-hook while viewing the INFO screen and pushing the redial key. There are also up to 1000 programmable entries of name and number for Caller ID service that can be administered by either the user or the system programmer. Caller ID information can be modified. Generally, when a call comes up on the Caller ID screen it is listed with the area code. However, when you want to redial that number you may not need to dial the area code and therefore would want to strip off the area code from the Caller ID log. You can program personal bins for the logged information of each caller and then set preferences for how you would like to call that person back. For example, someone may always call you from their cell phone, but prefer that you return their call on their home phone. When the Caller ID information is logged for that person you can direct it to dial their home number every time it identifies their cell phone number.

### Call Forwarding

There are four types of call forwarding – all calls, busy, no answer and busy/no answer. With these four options your calls can be forwarded whenever and however you like. And, all four options can be established by dialing a code or programming a feature key to forward your calls to a specific destination. You can also forward group calls, as well as, internal and external calls that can be forwarded to an internal extension or an external telephone number. Each call can be forwarded up to four times.

Incoming intercom and transferred calls to your extension can easily be forwarded to you outside the office. You can now forward your calls to your cell phone, another location or even your home. Calls can reach you almost anywhere in the world, 24 hours a day, 7 days a week. Another great feature is "follow-me" programming, which allows you to remotely set Call Forwarding from another phone within your organization, so calls to your extension will reach you while you roam.

### Universal Call Distribution

With Universal Call Distribution incoming calls are evenly distributed to operators or agents logged into a specific UCD group, such as required by a travel office, customer service center, etc. Four different outgoing messages can be recorded and played back in a cycle, and a separate extension can be assigned for overflow calls. Members of a UCD group also have the capability to temporarily remove themselves from the group. This allows members to go to lunch or finish paperwork before taking another call. They can then return to the group when they are ready to answer calls.



### Network and Central Office Connection Options

The KX-TDA100 and the KX-TDA200 both have several options for connecting the systems to the local central office or to network systems, allowing you to design the system to fit you specific requirements.

### Voice Over (VoIP)

The KX-TDA100 and KX-TDA200 systems can also utilize VoIP as a networking solution, which is described in more detail on the next page. The multiple options available in the KX-TDA IP PBX system make it easy to design a cost-effective solution for you business.

### ISDN Primary Rate Interface (PRI) with QSIG

For a more advanced digital connection with additional features for basic inbound and outbound calling and advanced networking applications we offer our ISDN PRI solution. Similar to the T1, the ISDN PRI card KX-TDA0290 takes up only one card slot and provides 23 voice connections and 1 data connection over a pair of wires. ISDN supports QSIG a high level protocol for system-to-system communication, allowing them to operate as if they were one cohesive system.

### T1 Service

Depending on the telephone company's local rates and complexity of your requirements, T1 digital service may be the answer. T1 provides 24 connections between your location and the local central office over a pair of wires for simple inbound and outbound calling. Our KX-TDA0187 T1 card requires one system card slot, leaving more space for other system cards.

1. Requires a subscription to a free-based telephone service.

# The Communication Power of VoIP Technology and Networking

Leverage your data network to keep telephone expenses down; the Hybrid IP-PBX can serve as the core of a cost effective, easy-to-use interoffice communication/voice networking system. Networking personnel and office facilities—using Voice over Internet Protocol (VoIP) on your existing wide area network (WAN) or local area network (LAN) can help reduce costs while providing reliable communications both within the company and outside.

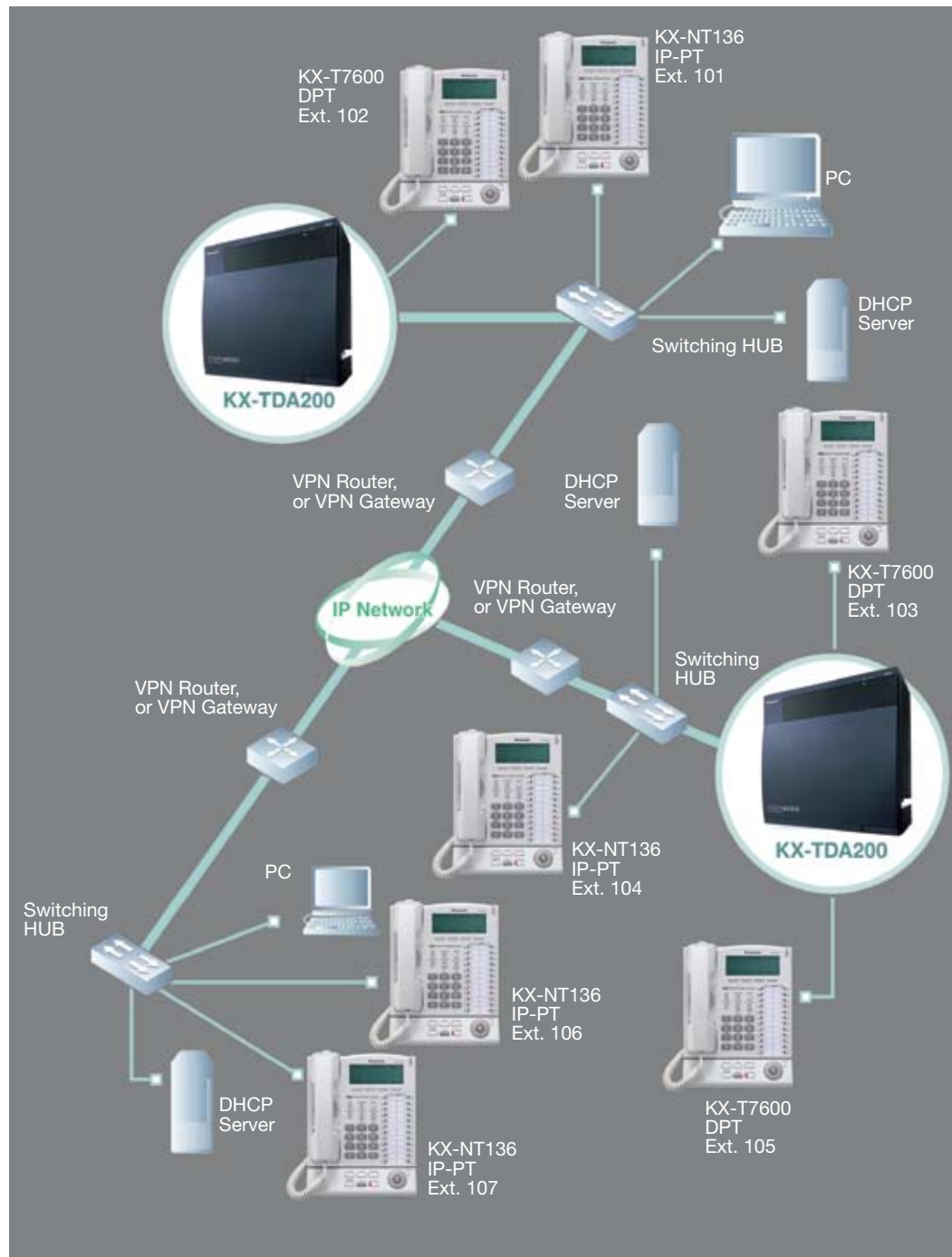
The KX-TDA Hybrid IP-PBX system supports the proprietary wired digital telephones in conjunction with the new KX-NT136 IP telephones delivering a wider variety of configuration options.

The KX-NT136 IP telephone can be installed and supported anywhere within your IP network. For customers with multiple offices and branch facilities the KX-NT136 can eliminate the need for multiple PBX units to support a branch office. The administration of the KX-TDA Hybrid IP Communication System can be centrally managed from a single location or with the addition of the CTI link card from your branch offices over the data network. The KX-NT136 IP telephones supports most of the functions of the digital telephones located in the main office, including the KX-TVA voice processing system with its unified message functions.

The KX-TDA Hybrid IP-PBX system also supports the powerful QSIG communications protocol when you use our VoIP gateway card. This allows you to interconnect multiple KX-TDA PBX systems in different locations to build a large, effective and seamless virtual telephone system. Combined with the KX-TDA Intelligent Routing functions, your network becomes the backbone for an advanced multi-node communication system, helping to lower your communication cost and raise your work force productivity.

As an example, customers with a large corporate office and multiple satellite offices can be connected by

using a single KX-TDA100 or KX-TDA200 and their existing wide area network (WAN). Caller ID information or extension information is passed to the display of the telephone through the network. A simple 3 to 5 digit numbering plan makes dialing from one office to another as easy as dialing from an extension within the same office. With A Panasonic VoIP solution you can reduce you telecommunications costs by eliminating costly local exchange carrier costs while maintaining a the high quality of service that you need for your voice communications.



# IP Telephones: Versatile and Efficient

Panasonic IP telephones provide access to a wide range of advanced applications, while maintaining the familiar functionality of the popular KX-T7600 series telephones.

## User-friendly Display

The backlit display gives visual feedback that makes it easier to handle calls and perform other tasks. Use the display to view a variety of information or to access the various features of the KX-TDA100 or KX-TDA200

## Message/Ringer Lamp (Dual Color)

The Message/Ringer Lamp lights to indicate when a call comes in or when a message has been received, so you can always tell when you have a call or message even from a distance.

## Dual-Ethernet Ports

With 2 Ethernet ports built in, there is no need to sacrifice an existing hub or router connection for each IP-Telephone. Simply connect each IP-Telephone to an existing LAN cable, then connect each extension user's PC to the corresponding IP-Telephone. No PC software settings are necessary, and no additional hubs or routers are needed!

## Effortless LAN Integration

After installing an optional 16-channel IP extension card in the Hybrid IP-PBX, the PBX can be integrated with your existing LAN by simply connecting to your existing router or switching hub.

## Programmable Keys with Red/Green LED

Extension users can customise their telephones to provide quick access to outside lines, other extensions, or commonly used features. For increased administration and control, the system administrator can also customise the programmable keys for multiple extension users using a PC and the KX-TDA Maintenance Console software.

## Time-Saving, Easy-to-Use Navigator Key

The intuitive Navigator Key helps extension users quickly select and control various features, including commonly used settings such as ringer and speaker volume.

**KX-NT136**



## IP Proprietary Telephone Specifications (KX-NT136)

<b>Display</b>	Alphanumeric Display (Lines x Characters)	6x24
	Tilt-Angle Adjustment	4 Positions
	Display Contrast Adjustment	4 Levels
	Backlit	•
	Feature Access Keys for Display	4
<b>Keys</b>	Programmable CO Keys with Dual-Colour LED	24
	Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	•
	Navigator Key	•
	Message/Ringer Lamp	•
<b>Audio</b>	Speaker-Phone (Monitor) Volume Control	12 Levels
	Handset Volume Control	4 Levels
	Ringer Volume Control	4 Levels
<b>Connections</b>	IP-Telephone to LAN Connection	•
	IP-Telephone to PC Connection	•
	Optional Headset Compatible	•
<b>Others</b>	Station Speed Dial Numbers	10/100
	Wall Mountable	•

\*with optional MEC card inserted

## Advantages of IP Telephony

### Low-cost

There's no need for an off-site PBX or traditional telephone wiring.

### Transparent integration

You can administer and operate your IP telephones just like your other extension telephones.

### Flexible

IP technology allows you to send data and voice over the same lines.



## IP Camera Compatibility

For added security and monitoring of your business when you are not in the office, Panasonic offers a wide range of Network Cameras. You can check the images on your PC, or on your compatible cell phone or PDA while you're on the go using the built in web page. The cameras are easy to use, and all you need to set one up in your business is a broadband connection.

Most of the Panasonic network cameras are equipped with built in I/O connectors for sensors, microphones, speakers and external device control making it easy to integrate with

the KX-TDA100 or KX-TDA200, for example; by placing a camera at the entrance of your business and connecting it to the Panasonic KX-T7775 door phone, you can see who's at the front door when the doorphone button is pressed. You can even open the door using the camera when it's connected to an electric door strike.



## Voice Processing

By adding a KX-TVA Series Voice Processing System, your calls can be easily managed by using the built in Automated Attendant Service, Voice Mail with Email integration and more. And with Panasonic's high level of integration between the KX-TVA Voice Processing System and our KX-TDA100 or KX-TDA200 systems you can enjoy features like Voice Mail LCD Menus that allows you to access and manage your voice mailbox using the LCD display on your telephone and several other features that are listed below. With all these choices it's easy to custom design a system that is right for you.

- **Auto Configuration**
- **Caller ID Call Routing**
- **Caller ID Screening**
- **Caller ID Name Announce**
- **Intercom Paging**
- **Trunk Service**
- **Automatic Login**
- **Live Call Screening**
- **Two-way Record**
- **Two-way Transfer**
- **Personal Greeting for Caller ID**
- **Remote Call Forwarding Set\***
- **Timmed Reminder Setting\***
- **Time Synchronization\***

\*DPT Intergration only



## KX-TDA100 and KX-TDA200 System Specifications

<b>Switching:</b>	Non-Blocking
<b>Power Source:</b>	AC 120v 60Hz
<b>Wiring:</b>	SLT: One Pair (T,R)
	DPT: One Pair (D1, D2) or 2 Pair (T,R,D1,D2)
	APT: 2 Pair (T,R,D1,D2)
	IP LAN Connection
	DSS: One Pair (D1, D2)
Certification No.	ACJMF03AKX-TDA100
Ringer Equivalence Numbers	0.3A
Facility Interface Code	02LS2, 04DU9.BN/DN/1KN/1SN, METALLIC
Service Order Code	9.0F, 6.0P
<b>Dimensions</b>	
KX-TDA100	13-3/8" x 15-3/8" x 10-5/8"
KX-TDA200	17-1/4" x 16-3/8" x 10-5/8"
<b>Operating Environment</b>	
Temperature	0°C to 40°C (32°F to 104°F)
Humidity	10% to 90% (Non-Condensing)
<b>Power Requirements:</b>	
KX-TDA100 with PSU-S	140W, 1.4A (at 120v AC, 60Hz)
KX-TDA100 with PSU-M	210W, 2.2A (at 120v AC, 60Hz)
KX-TDA200 with PSU-M	240W, 2.5A (at 120v AC, 60Hz)
KX-TDA200 with PSU-L	490W, 5.1A (at 120v AC, 60Hz)
<b>Weight:</b>	
KX-TDA100	Under 33lbs. (when fully configured)
KX-TDA200	Under 50lbs. (when fully configured)

## KX-TDA100 and KX-TDA200 System Capacities

	<b>KX-TDA100</b>	<b>KX-TDA200</b>
<b>Max. Total Port (Extension + Trunk)</b>	96*	192**
Max. Extensions	64	128
Proprietary Telephone	64/128 DXDP	128/256 DXDP
SLT (Analog Telephone)	64	128
Max. Trunks	64	128
Max. CO (PSTN)	64	128
Max T1	2 (48-ch)	4 (96-ch)
Max. PRI-ISDN (23B)	2 (46-ch)	4 (92-ch)
Internal PRI (23B)	2 (46-ch)	4 (92-ch)
Max. IP Gateway (16 Channel)	2 (32-ch)	4 (64-ch)
<b>Accessories</b>		
	<b>KX-TDA100</b>	<b>KX-TDA200</b>
<b>Max. CS (Cell Station)</b>	16	32
<b>Max. 2.4GHz Portable Station</b>	128	128
<b>Max. Door Phone</b>	8	16
<b>Max. Door Opener</b>	8	16
<b>Max. Voice Message (OGM) Channel</b>	8	16
<b>Max. Voice Processing System</b>	2-VPS Units	2-VPS Units
<b>BGM/MOH (Music On Hold) Input</b>	2	2
<b>External Paging Output</b>	2	2
<b>RS232C/SMDR Output</b>	1	1
<b>USB</b>	1	1
<b>Ethernet (10 Base T) for CTI/Programming</b>	1	1

\*The standard total is 80 channels (16 ch/slot x 5). However, the maximum total is 96 channels if 2 T1 cards are mounted.

\*\*The standard total is 160 channels (16 ch/slot x 10). However, the maximum total is 192 channels if 4 T1 cards are mounted.

# KX-TDA100 and KX-TDA200 Digital Hybrid IP-PBX System Feature List

System Features	KX-TDA100	KX-TDA200
Absent Message Capability	•	•
Account Code Entry (Forced Verified)	•	•
Account Code Entry (Optional)	•	•
A.R.S (Automatic Route Selection)	•	•
Automated Attendant (with DISA/OGM)	•	•
Automatic CO Hunting	•	•
Automatic Fault Logging	•	•
B.G.M. (Background Music) Jack	•	•
Callback Busy	•	•
Call Forwarding	•	•
Call Hunting (Terminal or Circular)	•	•
Call Log	•	•
Call Parking Zones	•	•
Call Park Retrieve	•	•
Call Pick-Up	•	•
Call Transfer/Transfer Recall	•	•
Call Waiting	•	•
Caller ID, Call Logging	•	•
Caller ID, Call Log Lock	•	•
Caller ID, Callback	•	•
Caller ID, Call Waiting	•	•
Caller ID, Date and Time Adjust	•	•
Caller ID (Name and/or Number)	•	•
Class of Service	64	64
CO Limited Duration Timer	•	•
CO Line Names	•	•
CO Line Status (Two Color LED)	•	•
Conference Calling (8-Party)	•	•
Data Line Security (for Fax or Modem)	•	•
Data and Time Display	•	•
Delayed Ringing	•	•
Digital Telephone System	•	•
D.I.L. (Direct In Line)	•	•
D.I.S.A. (Direct Inward System Access)	•	•
D.I.S.A. Single Digit Access	•	•
Distinctive Ring Tone (CO, Intercom)	•	•
Door Phones	•	•
Distinctive Ring Tone (Door Phones)	•	•
D.N.D. (Do Not Disturb)	•	•
Do Not Disturb Override	•	•
Door Intercoms/Door Opener Contacts	8/8	16/16
DSS/BLF Consoles	•	•
Dual Port Usage (Parallel SLT Station)	•	•
Duration Time of Call Display	•	•
Electronic Station Lock	•	•
Emergency Call Number Programming	•	•
Extension Groups	•	•
Extension Name on Display when Idle	•	•
Exclusive Hold	•	•
Executive Override Deny	•	•
External Modem Support	•	•
External Paging Ports	2	2
Flexible CO Keys (DSS/BLF, One-Touch Dial)	•	•
Flexible DSS Keys (One-Touch, Feature Access)	•	•
Flexible Key Assignments	•	•
Flexible Line Assignment	•	•
Flexible Night Service/Programmable/Manual	•	•
Flexible Ring Assignment (Day/Night)	•	•
Flexible Ring Assignment (Lunch)	•	•
Flexible Station Numbering	•	•
Hands-Free Answer Back Intercom	•	•
Handset/Headset-Display Phones	•	•
Hold	•	•
Hold Recall/Hold Reminder	•	•

System Features	KX-TDA100	KX-TDA200
Hotel/Motel Features		
Ring Message Waiting	•	•
Remote Station Lock	•	•
Quick Dialing	•	•
Room Status	•	•
Industry Standard Telephone Capability	•	•
Internal Paging (All Call Paging)	•	•
Internal Paging (Zone Paging)	•	•
ISDN Primary Rate Interface (PRI)	•	•
Last Number Redial	•	•
Limited Call Duration	•	•
Live Call Screening (DPITS Only)	•	•
Live Call Screening, Remote (DPITS Only)	•	•
Login/Logout (Hunt, Ring, UCD)	•	•
Login/Logout	•	•
Lunch/Break Mode	•	•
Memory Back-Up	•	•
Message Waiting - Proprietary Phones	•	•
Message Waiting SLT	•	•
Military Time Display	•	•
M.O.H. (Music On Hold)	•	•
Multi-Cell Wireless	•	•
Multi-Lingual Displays (5)	•	•
Multiple Voice Mail Lamps	•	•
Off-Hook Tone Signaling	•	•
Off-Hook Monitoring (KX-T7431, 7433,7436,7600 Series)	•	•
Off-Hook Voice Announce (KX-T7235, T7436, 7600 Series)	•	•
On-Site Programming Diagnostics	•	•
Operator Call	•	•
Power Failure Transfer	•	•
Pre-Selection (Central Office or Intercom)	•	•
Privacy Release	•	•
Remote Programming/Diagnostics QSIG	•	•
Remote Programming and Diagnostics Modem	•	•
Remote Station Lock Control	•	•
Ring Groups	•	•
Ring Groups DISA	•	•
Ring Line Preference	•	•
Saved Number Redial	•	•
Secret Dialing	•	•
Seven Day ARS Time Tables	•	•
S.M.D.R. (Station Message Detail Recording)	•	•
Station Name Display	•	•
Station-to-Station Messaging	•	•
10-Station Speed Dial Numbers	•	•
System Speed Dial Numbers	•	•
T1 Interface	•	•
T.A.F.A.S. (Trunk Answer From Any Station)	•	•
CSTA TAPI Ver. 2.1 Compliant	•	•
Timed Reminder, Remote	•	•
Toll Restriction	•	•
Toll Restriction Override	•	•
Tone/Pulse Dialing (By CO Line)	•	•
Transfer (Screened/Unscreened)	•	•
Trunk Groups	•	•
Two-Way Record (DPITS)	•	•
Two-Way Transfer (DPITS)	•	•
Unattended Conference Call	•	•
Uniform Call Distribution without OGM	•	•
Uniform Call Distribution with OGM	•	•
Voice Mail Integration (Inband)	•	•
Voice Mail Integration (DPITS)	•	•
Voice Mail Unit Capacity	2	2
VOIP	•	•
Walking Class of Service	•	•
Whisper OHCA	•	•





## Certification Program

**The KX-TDA100 and the KX-TDA200 and associated equipment are Panasonic Consumer Electronics Company certified dealer models. Please consult your dealer/installer to determine if they have successfully completed the Panasonic Certification Program.**

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