KX-TDA.com

Digital Hybrid IP-PBX System

TDA 200
Hybrid IP-PBX

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. 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.

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 instead of as an add-on.

The KX-TDA is designed to be a flexible system. It can easily be configured from 8 extensions up to 128 extensions, 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 trunks, extensions or optional cards at any time. Plus, this system is compatible with many of our different handsets to give it 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 making the KX-TDA a smart investment for your needs today as well as tomorrow.

The Panasonic KX-TDA - A complete communication solution for both small and medium sized businesses.

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System Overview

The design of the KX-TDA100 and KX-TDA200 allows you to expand your system as your needs grow by plugging in additional cards and telephones to the plug-in architecture. 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 200 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 TDA200) door phones and 8 contact closures (16 on the TDA200).

KX-TDA100

KX-TDA200

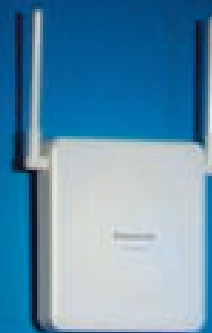| *Maximum System Capacities				
	Maximum Number of Ports	Maximum Number of CO's	Maximum Number of KX-T7600 series Proprietary Wired Telephones	Maximum Number of Wireless Telephones
KX-TDA100	96	64	64	128
KX-TDA200	192	128	128	128

* 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[1]
- 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

1– Requires subscription to fee-based telephone service.

Features that Mean Business

The Panasonic Digital Proprietary Telephone comes in four stylish variations. With features such as an easy-to-read large 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 telephones, fax machines or modems with a unique extension number.

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

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

Large Backlit LCD Display
- Up to 6-line display

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

Flexibility
- 4-stage angle adjustment for more flexibility of location and use

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

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 Stations 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 digital hybrid IP PBX 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 or table of speed dial numbers 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.

Extra Device Port (XDP)

XDP allows you to add an analog phone, cordless phone or other standard-line device to your system, without the cost of an additional line – so you can send a fax while talking to a customer. Or, by connecting a modem to the XDP, you can download data from your PC or access the Internet while talking.

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, as well as, speaker and handset volume controls.

Hands-Free Speakerphone

Utilizing state-of-the-art technology delivers full duplex speakerphone capability. This means that both sides of the conversation can be heard at the same time without one interrupting the other.

Adjustable

Offers a built-in, 4-stage angle adjustment for more flexibility of location and use.

Easy to use. Hard to choose.

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	None	No	No
Line Keys	24	24	24	24	60	12
Speakerphone	Full Duplex	Full Duplex	Full Duplex	Full Duplex	No	No
Headset Jack (2.5mm)	Yes	Yes	Yes	Yes	No	No
Backlit LCD	Yes	Yes	No	No	No	No
XDP	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. And if you already have a Panasonic KX-T, KX-TA or KX-TD telephone system, the KX-TDA will work with your existing telephones – making it an even less expensive cost solution to upgrading your business communications 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. 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 and the KX-T7633 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.

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.

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.

Caller ID/Call Logging[1]

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.

Voice Mail Integration

The final step in designing your system to handle calls is voice processing. Panasonic has numerous voice processing models to choose from, each containing a built-in auto attendant, interview service and voice mail. The KX-TDA100 and the KX-TDA200 feature built-in software that digitally integrates with Panasonic voice processing systems providing a high-speed communication path between the PBX system and the voice processing system. This proprietary interface enables a variety of other innovative voice mail features such as:

- **Live Call Screening**
- **Remote Live Call Screening**
- **Two-Way Record**
- **Two-Way Transfer**
- **Intercom Paging**
- **Direct Mailbox Access**
- **Auto Configuration**
- **Caller ID[1] Routing**
- **Caller ID[1] Name Announce**
- **Caller ID[1] Personal Greeting**

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

Networking

Whether you are designing your company's private telephone network or simply connecting normal outside lines, the KX-TDA has a wide variety of cost-effective options to choose from to meet your specific requirements. For connecting multiple sites together the system supports:

T1 and ISDN Primary Rate Digital Service

The system's T1 or ISDN Primary Rate Digital Service allows 2 pairs of wires to be digitally divided into 24 channels, which eliminates the need of running separate lines and provides an extremely cost-effective way to connect the system to the telephone company's central office.

Calls can be directed to a specific individual,

a group,

a live attendant, an auto attendant,
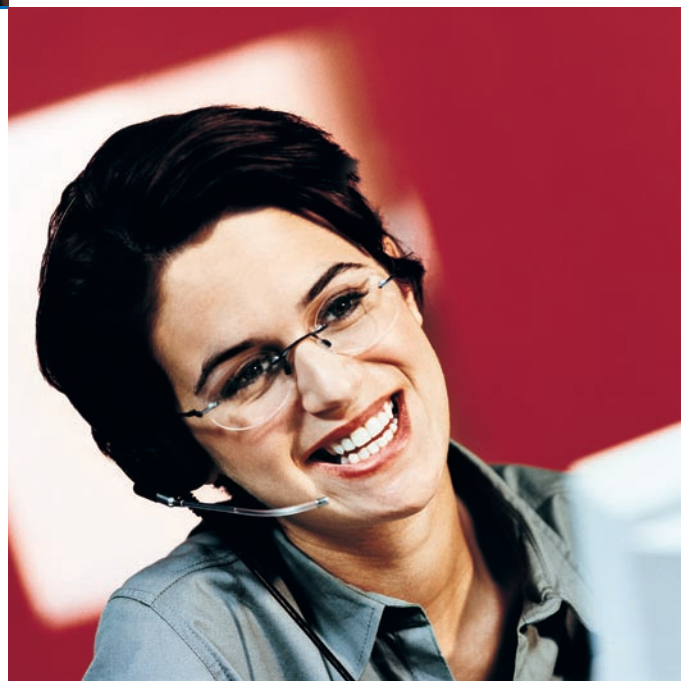**voice mail or any combination.**

Q-SIG

The Q-SIG protocol is the most flexible platform available for future development. It is used to increase ISDN PRI capability by allowing two interconnected systems to communicate and share information for more advanced network features.

Voice Over IP

Telephone voice calls can be routed over your local or wide area network that would otherwise just be used for data, thereby reducing traffic on telephone lines and reducing the overall cost when connecting systems and locations together. The cost savings come from achieving greater use of your fixed cost infrastructure and less use of variable cost telephone lines.

To insure that you are leveraging all of the advantages and cost benefits of your network the system software can automatically route calls to their destination using the least expensive path.

Certification Program

Panasonic
KX-TDA
Certified Dealer Model
CSD

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.

Panasonic
Digital Hybrid IP PBX

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Digital Hybrid IP PBX

ISDN PRI (Q-SIG)   PSTN   ISDN PRI (Q-SIG)

LAN   WAN   LAN

To locate a Panasonic Certified Dealer near you, go to:
www.panasonic-america.com/tda

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