

KX-TD500

Digital Super Hybrid Telephone System



Panasonic
ideas for life

The flexible telephone system for your growing business.

Panasonic is leading the way in today's diverse marketplace by implementing the latest advances in digital technology into the expanding business environment.

The Panasonic KX-TD500 Digital Super Hybrid System is your cost-effective connection to enhanced business communications. Developed with growing businesses in mind, the KX-TD500 features an efficient, modular design which allows for easy and inexpensive upgrades.



Our Digital Super Hybrid System supports the Panasonic KX-T7750, 7730, 7720, 7200 and the KX-T7400 series telephones as well as single-line phones. The fully digital KX-TD500 has many time-saving features and is the perfect match for easy integration with a Panasonic Voice Processing System. With this affordable breakthrough in call management, growing businesses can now easily expand at their own rate.

KX-TD500

KX-TD500 Digital Super Hybrid Telephone System

Configuration

Modular Design

The modular design of the KX-TD500 allows you to expand from 8 phones and 8 lines to as many as 448 extensions and 192 CO lines by adding expansion cards (512 ports maximum). The system can be installed as one, two or three shelf configurations, providing economical expansion from 192 ports (1 cabinet), to 384 ports (2 cabinets), to 512 ports (3 cabinets).

Universal Ports and Card Slots

The ingenious design of the KX-TD500 allows you to maximize the use of each cabinet. Universal slots accommodate any type of card (CO, Station, ISDN, T1, etc.), so you can expand your system at your own rate while keeping upgrading costs to a minimum. And the Panasonic KX-T7750, 7730, 7720 and KX-T7400 series telephones will work with the KX-TD500 System, eliminating the need to change the cabling.

Compatibility

ISDN PRI or T1 Service

The system's T1 or ISDN PRI service allows 2 pairs of wires to be electronically divided into 24 channels, which eliminates the need to run separate lines, and provides an extremely cost-effective way to connect the system to the telephone company's central office.

Direct Inward Dial (DID)

The KX-TD500 can be connected to Direct Inward Dial (DID) CO lines provided by the telephone company. With DID service, calls from outside your business will be directed to a specific extension, alleviating the need for an operator or an attendant. A T1 Digital Trunk card (KX-T96187) or an ISDN PRI card (KX-TD50290) is required to utilize this feature.

Networking

If you have offices in multiple locations, the TD500 provides a networking solution that makes calling from one location to another as simple as dialing an extension in one location. This is accomplished by connecting systems together using T1 or the more advanced ISDN PRI lines which support QSIG, one of the most flexible platforms available for networking multiple systems together.

Cost Management Features

Toll Restriction

The Super Hybrid System can be programmed to prohibit unauthorized outgoing long distance calls by preventing certain extensions from accessing specified area codes or exchange codes.

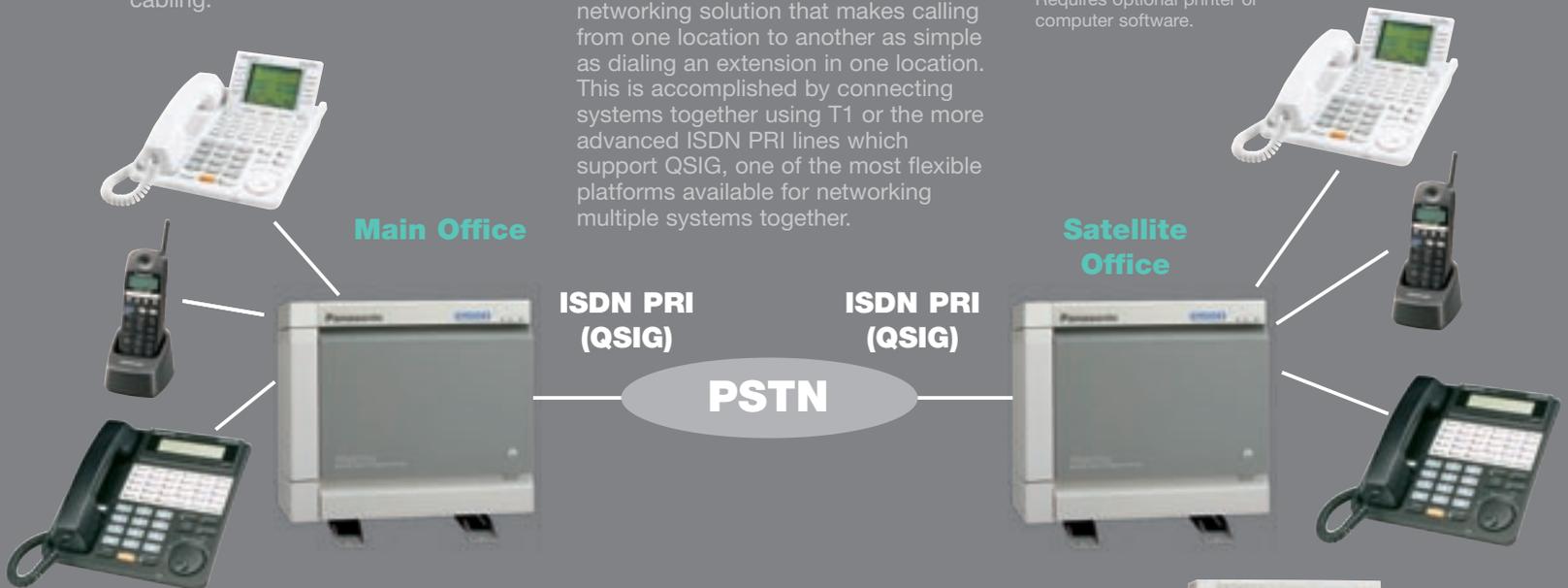
Automatic Route Selection

Helps reduce long distance costs by automatically routing outgoing calls to the most efficient long distance carrier within the user's network based on the time of day, day of week, and call destination tables.

Station Message Detail Recording*

This provides you with a printed record of outgoing and/or incoming calls from every extension to help you control telephone expenses and help reduce telephone abuse.

* Requires optional printer or computer software.



Expansion in Three Cabinets

Single Cabinet



Double Cabinet



Triple Cabinet



192 Ports

384 Ports

512 Ports

System Features

Uniform Call Distribution

Evenly distributes incoming calls to operators or agents logged into a specific UCD group, as might be required by a travel office, customer support center, etc. Four different outgoing messages can be recorded and played 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 return to the group when they are ready to answer calls.

Call Forwarding

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 to your home. Calls can reach you 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.



Automatic Call Distribution (ACD)

For more advanced call center applications the server-based RoseComm ACD/IVR is the answer. RoseComm is a complete ACD/IVR turnkey solution integrated seamlessly with the KX-TD500. It includes a suite of applications to organize and support call routing, call distribution and call response and interacts directly with ODBC databases. For more information please visit www.panasonic.com/csd.sx

Direct Inward System Access (DISA)

With the optional KX-T96191 DISA card, the KX-TD500 system allows 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 pager (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.

Phantom Extensions

Any outside call or internal transfer can be sent to a Phantom Extension, which will ring every phone with that extension button. This is an excellent way for sales staff and other groups to identify calls intended for their response. Up to 448 phantom extensions can be assigned.

System Speed Dialing

The KX-TD500 provides up to 1000 tenant and 2000 System Speed Dialing numbers (24 digits long for each) for all extension users. System Speed Dialing numbers and names can be programmed either by the user or system administrator.

Account Codes

Account codes can help manage your telephone expenses by identifying incoming and outgoing external calls for accounting and billing purposes. The account code is appended to the Station Message Detail Recording (SMDR).

Attendant

By utilizing the KX-T7441 DSS console, which is equipped with an answer and transfer key, the attendant can process calls quickly and efficiently. And by adding extra KX-T7440 DSS consoles, the attendant position can be designed to fit any size system. This not only provides one-button access, but also a busy and idle status for all system telephones as well.

Enhanced Caller ID¹ Compatibility

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. Up to 30 answered calls can be logged by the user at each extension with unanswered calls logged automatically. 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 number and name for Caller ID¹ Service that can be administered by either the User or System Programmer.

System Diagnostics & Administration

Maintenance can be carried out on site or from a remote location. This enables a system technician to call into the system for fast fault diagnosis and reprogramming. The KX-TD500 System can detect many system errors. By connecting a printer to the basic unit, you can print out the error log. You can also indicate alarm messages on the LCD readout of proprietary telephones. Thus cutting down on the cost of service and on-site support. Plus, all certified Panasonic dealers are provided with the software necessary to backup your system, so its data is archived and readily available when needed.

Telephone Features (KX-T7400 series)

eXtra Device Port (XDP)

Every digital telephone comes with a built-in "eXtra Device Port" jack and when enabled, you can connect any single-line device to the digital phone. XDP instantly provides you with a separate extension, so you can double your extension capability and use both communication devices simultaneously. You can fax a document while talking on the telephone, and have a phone conversation while transferring a data file from your PC to another PC. No special adapters. No additional programming. And no costly rewiring!

Flexible CO Line Buttons

The Central Office (CO) 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.

Jog Dial

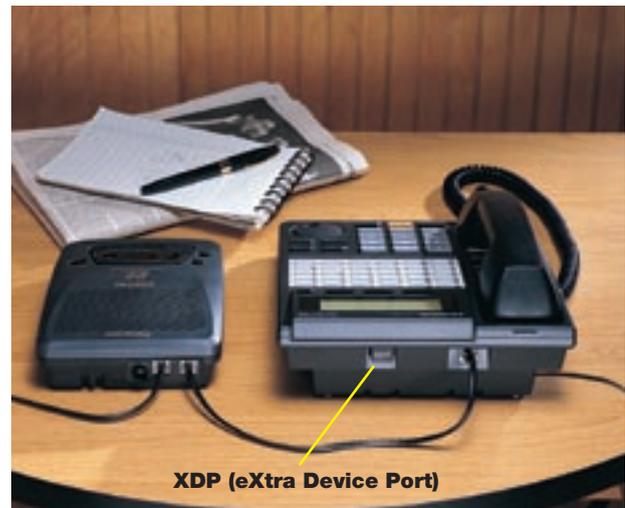
Panasonic 7400 Series display phones feature jog dial operation for easy access to both system and personal speed dial lists, as well as speaker and handset volume controls.

Speakerphone

Enables you to set the phone for automatic hands-free answering of intercom calls.

LCD Display

The KX-T7456 proprietary phone features a backlit, 6-line, 24-character per line LCD. Bring your personal call log, alphabetical phone list or table of speed dial numbers up on the screen and dial directly from it. You can even program system features via LCD prompts.



Automatic Redial

At the touch of one button, the phone automatically redials the last number dialed.

Distinctive Ring

Program up to 8 different ringtones for the digital phones, giving phones in different areas or rooms a distinctive ring.

Whisper Off Hook Call Announce

Privately announces incoming calls through the handset, rather than a public announcement via the telephone speaker.

Panasonic Voice Processing Systems (VPS)

The KX-TD500 can be digitally integrated with a Panasonic Voice Processing System, giving you much more than an automated attendant and voice mail — you also get custom service, multi-lingual service, interview service and an extensive variety of innovative features. The revolutionary features listed below are applicable when the KX-TD500 is digitally integrated with a Panasonic Voice Processing System:

- **Live Call Screening** allows you to monitor your mailbox while messages are being left and, if desired, intercept the call.
- **Remote Live Call Screening** lets you screen your calls remotely from the handset of a cordless phone. Pick up the call or let it go to your mailbox.
- **Two-Way Record** allows you to record a conversation simply by pressing a button.
- **Two-Way Transfer** records a live conversation directly into another person's mailbox.
- **Intercom Paging** notifies you of an incoming call even if your extension is unanswered.
- **Direct Mailbox Access** lets mailbox owners retrieve new messages simply by pressing the Message Waiting Button.
- **Automatic Configuration** helps decrease installation time and costs.



Add a Wireless System Phone for Productivity and Mobility

Add a Wireless System Phone for productivity and mobility. The KX-T7885 wireless phone uses 900 MHz operation and Panasonic Sound Charger™ technology for great range and crisp, clear sound. Model KX-TD7895 adds Digital Spread Spectrum technology for an even longer range and protection from eavesdropping. Both models feature flexible keys that can be programmed to access central office lines or system functions like speed dialing. They also have fixed keys for intercom, hold, redial, conference and transfer functions.



¹ Requires subscription to fee-based telephone company service.

KX-TD500 Control Unit

Capacity:	192 CO Lines (Max.) 448 Stations (Max.) (512 Ports)
Dialing Method:	Tone/Pulse
Dialing Conversion:	Tone to Pulse or Pulse to Tone
Switching:	Non-Blocking PCM Time Switch
Power Failure	
Transfer:	Power Failure Transfer function provided
Memory Back-Up:	Seven years with factory provided lithium battery
System Operation:	Four hours using recommended batteries (consisting of two DC 12 V 40 Ah automobile type batteries)
Connections	
CO Line:	Amphenol Connector
Stations:	Amphenol Connector
Paging Output:	Pin Jack (RCA Jack)
External Music Input:	2-Conductor Jack
Power Source:	AC 120 V, 60 Hz
KX-TD500	
Dimensions (H x W x D):	18-5/16" x 19-31/32" x 9-3/4" (465 x 507 x 248 mm)
Weight:	54.42 lbs. (24.68 kg)
KX-TD520	
Dimensions (H x W x D):	11-13/16" x 19-3/16" x 9-3/4" (300 x 487 x 248 mm)
Weight:	34.85 lbs. (15.80 kg)

KX-TD500 Digital Super Hybrid Telephone System Features List

Absent Message Capability
Account Code Entry
Alternate Calling
Answer and Release Buttons Operation (KX-T7441)
Answering, Direct Trunk
Auto Hands-Free Dialing
Automatic Callback Busy (Camp On)
Automatic Configuration
Automatic Hold
Automatic Redial
Automatic Route Selection (ARS)
Automatic Station Release
Background Music (BGM)
Bilingual Display
Busy Lamp Field
Busy Station Signaling (BSS)
Call Forwarding, All Calls
Call Forwarding, Busy
Call Forwarding, Busy/No Answer
Call Forwarding, Follow Me
Call Forwarding, No Answer
Call Forwarding, To CO or TIE Line
Call Hold
Call Log
Call Park
Call Pickup
Call Splitting
Call Transfer
Call Transfer, Screened
Call Transfer, Unscreened
Call Waiting
Caller ID ¹ Service
Calling Party Control (CPC) Signal Detection
Class of Service (COS)
Conference
Conference, Unattended
Confirmation Tones
Consultation Hold
Data Line Security
Dial Tones, Distinctive
Dial Type Selection
Direct In Lines (DIL)
DIL 1:N Group
Direct Inward Dialing (DID)
Direct Inward System Access (DISA)
Direct System Selection (DSS)
Directed Call Pickup
Do Not Disturb (DND)
Do Not Disturb (DND) Override
Door Opener
Door Phone Call
DSS Console
Electronic Station Lockout
Emergency Call
End-to-End DTMF Signaling
Exclusive Hold
Executive Busy Override
External Feature Access
External Modem Control
Extra Device Port (XDP)
Flash
Flexible Button
Flexible Numbering
Floating Station
Group Call Pickup
Group CO Button

Handset/Headset Selection
Handset Microphone Mute (7400 Series PT Only)
Hands-Free Answerback
Hands-Free Operation
Hold Recall
Host PBX Access
Interoffice Calling
Intercept Routing
Last Number Redial
LED Indication
Limited Call Duration
Line Preference
Live Call Screening (LCS)
Local Alarm
Lockout
Log-In/Log-Out
Manager Extension
Message Waiting
Microphone Mute
Mixed Station Capabilities
Music On Hold
Night Service
Off-Hook Call Announcement (OHCA)
Off-Hook Monitor (7400 Series PT Only)
Off Premise Extension (OPX)
One-Touch Dialing
One-Touch Transfer
Operator Call
Outgoing Message (OGM)
OGM Group
Paging
Paralled Telephone
Pause Insertion, Automatic
PDN Call
Phantom Extension
Pickup Dialing (Hot Line)
Power Failure Restart
Power Failure Transfer
Privacy, Automatic
Quick Dialing
Redial
Remote Station Lock Control
Ringling, Delayed
Ringling, Discriminating
Ringling Tone Selection
Ringling Transfer (DN Type PT Only)
Saved Number Redial
Secret Dialing
Speed Dialing Station
Speed Dialing System
Station Hunting
Station Message Detail Recording (SMDR)
TIE Lines
Time-Out Variable
Timed Reminder (Wake-Up Call)
Toll Restriction
Traffic Measurement
Trunk Access
Trunk Answer From Any Station (TAFAS)
T1
User Programming
Volume Control
Voice Mail Integration
Walking COS
Whisper Off-Hook Call Announcement (WOHCA)

¹Requires subscription to fee-based telephone company service.



Certification Program

The KX-TD500 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.