

Panasonic

Digital Super Hybrid System KX-TD500



The Efficient Way to Handle Heavy Call Volumes

The PC Console is a powerful tool that lets a limited number of operators handle even heavy call traffic. The Windows-based graphical user interface improves efficiency and provides easy access to PBX features. For example, a glance at an icon tells you whether an extension is idle or busy, and you can transfer a call with a simple mouse click. It also has a telephone book database that pops up with the ID of an incoming caller, and a call log window that lets you distinguish lost, answered, and outgoing calls by icon.



ISDN Gives You Improved Call Control and an Affordable High-Speed Data Connection

ISDN is the cost-effective solution to fast Internet access. Direct Dialing In (DDI) gives each extension its own telephone number, making it easy for customers to reach the right person. Caller ID (CLIP) displays an incoming caller's telephone number, so you can react more quickly to customer calls, increasing both business efficiency and quality of service. By using the ISDN S0 bus, ISDN-compatible devices such as Group 4 fax machines, video telephones, and high-speed modems can be directly connected to BRI (Basic Rate Interface) lines. And the ISDN S0 bus also lets you connect directly to a LAN system in your building. The high-speed data transmission of ISDN can also be used for remote access to computers in other locations. For example, from your home you can browse and edit files in the computers in your office.

An Affordable System that Adds Value to Your Business

This may be the e-mail age, but the human voice is still the best way to communicate. The KX-TD500 offers a host of features that enhance communication ease, including automated attendant, automatic call routing, group distribution, message transfer, and external message notification and delivery. You can even customise the system to meet the needs of different callers.

Combine the KX-TD500 with a Panasonic Voice Mail System, and you get additional features that are available only from Panasonic, such as:

Live Call Screening

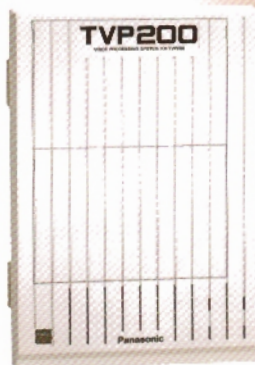
Monitor incoming messages and decide whether to answer the phone or let the caller leave a message. It's like having a telephone answering machine right at your desk.

Two-Way Recording

This lets you record a conversation (both the caller's words and your own) in your mailbox. Simply press the Two-Way Record key.

Two-Way Transfer

Record a conversation into another subscriber's mailbox. For example, this is especially useful for companies that want their receptionists to personally record messages from callers.



KX-TVP200

Rein In Your Telephone Costs

Any business could benefit from a low-cost, easy-to-use, reliable inter-office networking system. Facilities available with the KX-TD500, such as E&M leased lines and voice-over IP, can help you trim costs and get easy access within private networks.

For example, the network numbering plan lets you assign a telephone number to each extension at a branch or head office, saving time and money. The KX-TD500 supports the industry-standard QSIG* protocol, making it effective for building a company-wide voice network.

If your firm uses several carriers or service providers, ARS (Automatic Route Selection) saves money by choosing the most inexpensive calling route according to the day and time. Toll restriction helps eliminate unauthorised long distance calls by determining which phones can or cannot be used for calls outside the local area.

*QSIG is a digital networking protocol. QSIG Networking is available with PBX systems from other vendors that also support ISDN BRI QSIG.

Make Your Guests Feel More at Ease

For businesses in the hospitality field, the KX-TD500 can mean greater staff productivity and better customer service. The KX-TD500 has a built-in hotel feature that simplifies services such as check in/out and wake-up calls, and it can integrate with an external charge box and message waiting lamp on room telephones. An interface is also provided to link the KX-TD500 to the Property Management System (PMS), a hotel-management software application used in many of the world's hotels. This lets you use the KX-TD500 for a range of useful functions:

- * Check in/out
- * Wake-up call set/cancel/confirmation/alarm
- * Message waiting lamp on/off
- * Room status information
- * Call accounting
- * Set / Clear extension name

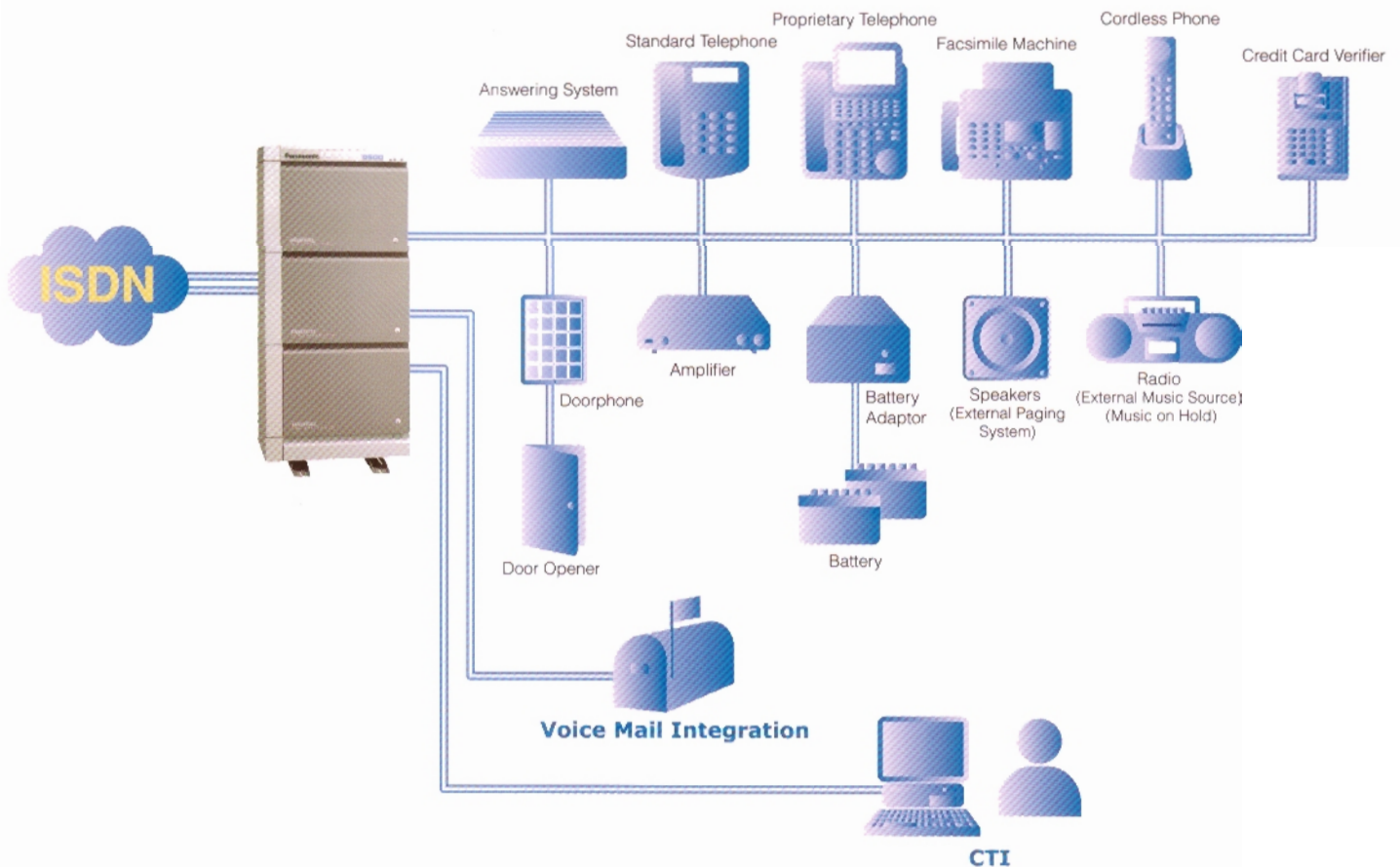


Top Reliability and Easy Maintenance

Ease of maintenance is an important factor in a telephone system, because you can lose business opportunities when your system is down for troubleshooting or to customise settings. With the KX-TD500, you can easily perform some of the customisation yourself through the system telephone. Other customisation and maintenance can be done quickly and efficiently by your dealer using Windows-based PC programming software.



Connection Diagram



Makes Communications Easy



Digital Proprietary Telephone



KX-T7436

JOG-DIAL

Feature 1

The JOG-DIAL on the KX-T7436 and KX-T7433 gives you quick access to the Call Directory (using alphanumeric searching) and to system features (using the display menu). On all models, the JOG-DIAL makes it easy to adjust the speaker, handset, and ringer volumes and contrast.



Feature 2

Alphanumeric Display

Simplifies call handling and other operations. You can view a host of information (list follows), access system features, or call directly via visual prompts.

- A record of incoming and outgoing calls (Call Log)
- The incoming caller's name and number (ISDN, Caller ID)
- System/personal speed dialling
- Extension lists
- Menu of system features
- Call duration
- Message waiting, absent messages, feature settings
- The calling extension's number and name
- Date and time



System Features

- Automatic Disconnect (Lockout)
- Automatic Pause Insertion
- Automatic Route Selection (ARS)
- Background Music (BGM) Broadcast
- Call Accounting (SMDR: Station Message Detail Recording)
- Caller ID Service
- Class of Service (COS)
- Computer Telephony Integration (CTI)
- Data Line Security
- Day / Night Mode
- Delayed Ringing
- DIL 1 : N Group
- Direct Inward Dialling (DID)
- Direct Inward System Access (DISA)
- Disconnect Signal Detection (CPC : Calling Party Control)
- Doorphone / Door Opener
- E&M (TIE) Line Service
- E1 Carrier
- Extension Group
- External Modem
- Flexible Numbering
- Floating Directory Number (FDN)
- Greeting Message (OGM : Outgoing Message)
- Intercept Routing
- Manager Extension
- Music On Hold
- Off Premise Extension (OPX)
- Operator Extension
- Paralleled Telephone
- PC Programming
- Phantom Extension
- Power Failure Transfer
- System Speed Dialling
- Tenant Service

- Toll Restriction
- T1 Carrier
- Uniform Call Distribution (UCD)
- Voice Mail Integration (Live Call Screening / Two-Way Recording / Two-Way Transfer)

Station Features

- Absent Message
- Account Code
- Alternate Calling (Ring / Voice)
- Answer / Release Button
- Automatic Callback Busy (Camp on)
- Background Music (BGM)
- Bilingual Display
- Budget Management
- Busy Lamp Field (BLF)
- Busy Override
- Busy Station Signalling (BSS)
- Call Directory
- Call Forwarding
- Call Log
- Call Park
- Call Pickup
- Call Splitting
- Call Transfer
- Call Waiting
- Call Waiting from Central Office
- Conference (3-party / 5-party)
- Direct Station Selection (DSS) Key
- Directory Number Keys
- Display
- Distinctive Dial Tones
- DN Mode (PBX Mode)
- Do Not Disturb (DND)
- Emergency Call
- Flash
- Full One Touch Dialling
- Headset
- Hands-free Answerback
- Hands-free Operation
- Hold
- Hold - Automatic
- Hot Line (Pickup Dialling)
- ICM Mode (Key Telephone Mode)
- Limited Call Duration
- Log-in, Log-out
- Message Waiting
- Mute
- Off-Hook Call Announcement (OHCA)
- Off-Hook Monitor
- One Touch Transfer
- Paging
- PC-Console
- PDN Call
- Prime Line Preference
- Privacy Release
- Programmable (Flexible) CO key with Dual Colour LED
- Quick Dialling
- Redial
- Ringing Line Preference
- Ringing Tone Selection
- Secret Dialling
- Station Programming
- Station Speed Dialling
- Station Lockout (Electronic)
- Timed Reminder (Wake-up Call)
- Tone Through (End-to-End DTMF Signalling)
- Trunk Access
- Trunk Answer From Any Station (TAFAS)
- User Programming
- Volume Control
- Walking COS (Class of Service)
- Walking Station
- Whisper OHCA

- eXtra Device Port (XDP)

Hotel Features

- Budget Management
- Check-in / out
- Message Waiting
- Quick Dialling
- Room Status Control / Monitor
- Wakeup Call (Remote Timed Reminder)

ISDN Features

- AOC (Advice of Charge)
- CFU / CFB / CFNR (Call Forwarding Unconditional, Busy, No Reply)
- CLIP (Calling Line Identification Presentation)
- CLIR (Calling Line Identification Restriction)
- COLP (Connected Line Identification Presentation)
- COLR (Connected Line Identification Restriction)
- DDI / MSN (Direct Dialling In / Multiple Subscriber Number)
- MCID (Malicious Call Identification)
- Network Service Access

Networking Features

- Alternate Routing
- Closed Numbering Plan
- Network Call Forward
- Network Call Transfer
- Private to Public Network Connection
- Public to Private Network Connection
- QSIG
- Virtual Private Network (VPN)

*Additional equipment and / or optional cards are required for some features.



KX-T7433



KX-T7425



KX-T7450



KX-T7440



KX-T7441

eXtra Device Port (XDP)

Feature 3

The XDP lets you add a single-line device (such as an analogue telephone or cordless phone) at no additional cost. You can fax a document while talking on the phone, or converse while transferring data from your PC. You can also connect a modem to the XDP for simultaneous Internet access.

Feature 4

Programmable keys with Dual Colour LED (Red/Green)



You can set the programmable keys to provide instant, one-touch feature operations. You can use these keys to improve call handling efficiently, such as by assigning each key a feature like Direct Station Selection (DSS), Day/Night mode, Log-in/Log-Out, or voice mail transfer. Each key has a dual-colour LED to show information such as line status, extension status, or feature on/off.

System Capacity (Max. Quantity*)

Extension/CO line	Basic Shelf	Expansion Shelf 1,2	System
▶ <i>CO lines</i>	192	192	192
▶ <i>Extensions</i>			
APT + DPT	128	128	384
SLT	160	160	448
APT + DPT + SLT	192	192	448
▶ <i>Total</i>	192	224	512

APT: Analogue Proprietary Telephone, DPT: Digital Proprietary Telephone, SLT: Single Line Telephone
*The maximum quantity depends on optional cards. Please ask your dealer for details.

Cards, Equipment

Cards, Equipment	Max. Quantity
Doorphones	8
DSS Consoles	64
PC Consoles	8
External Paging Systems	2
External Music Sources	2
RS-232C Ports	2
Conference Trunks (Basic)	8
RMT Card or ERMT Card	1
DISA Cards	8
PRI 30 / PRI 23 Cards	6 / 8
E1 Cards	6
T1 Cards	8
DPH Cards	2
AGC Cards	8

Optional Cards and Equipment

Model	Description
▶ <i>Shelf</i>	
KX-TD500	Basic Shelf
KX-TD520	Expansion Shelf
▶ <i>Extension Cards</i>	
KX-T96170	HLC (Hybrid Line Circuit) Card
KX-T96172	PLC (Proprietary Line Circuit) Card
KX-T96174	SLC (Single Line Telephone Circuit) Card
KX-T96175	SLC-M (Single Line Telephone Circuit with Message Waiting) Card
KX-T96185	OPX (Off Premise Extension) Card
KX-TD50170	DHLC (Digital Hybrid Line Circuit) Card
KX-TD50172	DLC (Digital Proprietary Line Circuit) Card
KX-TD50175	ESLC (Enlarged-Single Line Telephone Circuit with Message Waiting) Card
▶ <i>Trunk Cards</i>	
KX-T96180	LCOT (Loop Start Central Office Trunk) Card
KX-T96182	DID (Direct Inward Dialling Trunk) Card
KX-T96183	RCOT (Loop Start Central Office Trunk with Polarity Reversal Detection) Card
KX-T96184	E&M Card
KX-T96187	T1 Digital Trunk Card
KX-T96188	E1 Digital Trunk Card
KX-TD50180	ELCOT (Enhanced Loop Start Central Office Trunk) Card
KX-TD50288	BRI (ISDN Basic Rate Access Interface) Card
KX-TD50290	PRI 23/30 (ISDN Primary Rate Access Interface) Card
<i>Resource Cards</i>	
▶ KX-T96191 DISA (Direct Inward System Access) Card	
KX-T96193 AGC (Auto Gain Control) Card	
KX-T96196 RMT (Remote Circuit) Card	
KX-TD50197 ERMT (Enhanced Remote Circuit) Card	
<i>Other Cards</i>	
▶ KX-T96136 OHCA (Off Hook Call Announcement) Card	
KX-T96161 DPH (Doorphone Circuit) Card	
KX-TD193 Caller ID Card	
KX-TD50104 TSW-CONF (TSW Conference Expansion) Card	
KX-TD50105 DOHCA (OHCA for Digital Telephone) Card	
<i>Equipment/Software</i>	
▶ KX-T96186 OPX (Off Premise Extension) Power Unit	
KX-T30865 Doorphone	
KX-T7090 Headset	
KX-A46 Battery Adaptor	
KX-A46D Battery Adaptor with Battery Charger	
KX-TD50300 PC Console	

Basic Software

Basic Software	Max. Quantity
Tenants	8
Operator	8 (1/Tenant)
System Speed Dialling	2000 (1000/Tenant)
Station Speed Dialling	10
Call Park Positions	100/Tenant
Absent Messages	9
Trunk Groups	48
Class of Service	96
Direct Inward System Access (DISA)	8
Account Codes	1000
Extension Groups	
Operator Group	
Hunting Group	
Ring Group	
UCD Group	
VM/AA Group	
Paging Groups	16
Caller ID and Name Entry	2000 (1000/Tenant)
One-Touch Dialling Station	10/PT
SDN Key	8/PDN

Dimensions/Weight

▶ <i>KX-TD500</i>	
<i>Basic Shelf</i>	
Dimensions	
(H)	465 mm
(W)	507 mm
(D)	334 mm
Weight	20.5 kg
▶ <i>KX-TD520</i>	
<i>Expansion Shelf</i>	
Dimensions	
(H)	298 mm
(W)	487 mm
(D)	334 mm
Weight	12.6 kg



This product was manufactured by Kyusyu Matsushita Electric Co., Ltd. which has earned ISO9001 and ISO14001 certification.