

Panasonic

Digital Super Hybrid Systems KX-TD816 / KX-TD1232



Panasonic Digital Super Hybrid Systems Deploy Digital Communication Solutions to Help Your Company Flourish

A new weapon for your arsenal from Panasonic to you—Digital Super Hybrid Systems will bring about a revolutionary improvement in the performance of the telephone systems that serve as the all important link between you and your customers. They deliver the advanced digital functions – such as the Small Call Centre and Wireless Solutions, Messaging Solutions, ISDN Compatibility and much more – that today's new generation of businesses needs in a fast, world- networking information environment. Intelligent, and built with Panasonic reliability, the KX-TD816/1232 systems provide users with fast, flexible voice and data communication in the Internet age.

Panasonic always strives to deliver the very latest in information systems to your company. Now we offer you the following 3 services, always with ease of use and solutions in mind.

Versatility

Our Versatile Solutions will bring various benefits to your company. Call Centre Management allows for a precisely tailored response; our Wireless equipment allows you to respond by telephone from anywhere in your office; Voice Mail enables you to cut down on energy output and ISDN compatibility will let you respond quickly to your future needs. We will deliver double support aimed at the customer satisfaction aspect and management of your company.

Flexibility

These are models for the future, compatible with a wide range of communications equipment and proprietary telephones. All Super Hybrid extension ports can accommodate both digital and analogue proprietary telephones, as well as fax and answering machines, cordless phones, and other ordinary telephone devices. No additional cards or wiring are required. They are designed to grow as your business grows.

Expandability

Our PBX systems are being expanded to deliver comprehensive office infrastructure solutions with features such as the eXtra Device Port (XDP) and System Inter Connection (SIC)*. They are designed to be able to respond to any of your company's needs at the lowest cost as your business grows and changes.

*For KX-TD1232 only. Two KX-TD1232 systems can be connected together to form a single system.

At Panasonic We Like to Say "Nothing is Impossible" Panasonic products are known for their high degree of reliability. That is because Panasonic business telephone systems are manufactured in Japan to the highest possible standards at a factory that has earned ISO 9001 certification. Moreover, our Maintenance and Service provides the utmost care so the customers can feel safe. Furthermore, in order to provide a swift, no-nonsense maintenance service, our dealers investigate problems and make changes to system settings quickly. In addition, the Panasonic Dealer Network works to create a comfortable user environment. With our new and emerging digital technologies, Panasonic will continue to be your gateway to the future.

The Ergonomic Design Telephone Makes Deskwork Really Easy



KX-T7436

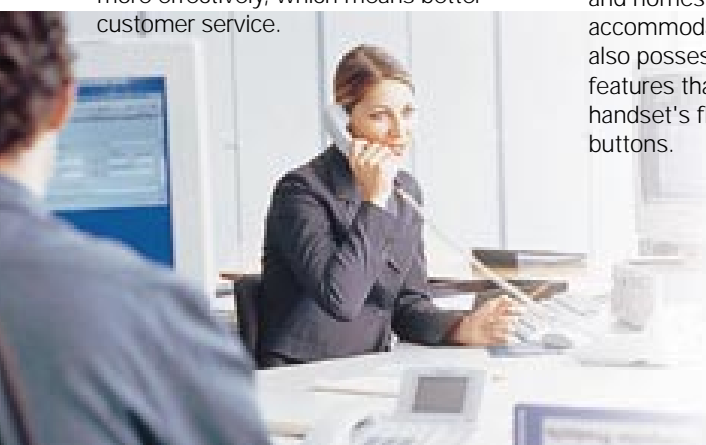
PBX—Offering the Best Solutions for Making Your Business More Efficient



Call Center Management Rationalizes Telephone Use to Get More Done

Intelligent call management can raise business efficiency, increase customer satisfaction, and improve your company's image. The KX-TD816 / 1232 systems feature a built-in **Uniform Call Distribution (UCD)** capability, which places incoming calls in a queue and distributes them to agents on availability. When all agents are busy, it plays a message, helping reduce lost calls and avoid missed business opportunities.

Panasonic also offers **Call Centre Management Software**. This lets you connect your telephone system to your PC via a Computer Telephony Integration (CTI) interface, giving you advanced call centre functions. For example, calls can be automatically delivered to the extension that has been idle the longest to uniformly distribute workloads among agents. Supervisors can instantly access the status of all agents and control the agent log-in / out from the console, or change the call treatment table at any time according to call traffic. Your staff can manage calls much more effectively, which means better customer service.



Spread Spectrum Technology Multi-Line Wireless Telephones with LCD Display



Now there's no need to wait at your desk for those important phone calls! The KX-TD7895 proprietary multi-line wireless phone gives you the mobility, digital clarity and digital security of 900 MHz Spread Spectrum operation, plus the functionality of a powerful system phone. Just clip the compact handset to your belt or purse and you're ready to receive or make calls from anywhere within range. An essential communications tool for both busy offices and homes, the KX-TD7895 can accommodate as many as 12 CO lines. It also possesses a host of sophisticated features that you can control with the handset's flexible keys and function buttons.

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. Automatic call routing, automated attendant, external message notification and delivery, group distribution and message transfer are just some of the features that the KX-TD816 / 1232 can use to streamline your office communications. You can even customize your system to meet the needs of different callers. When used with the Panasonic Voice Mail system, you can also get the following great features, available from Panasonic only:

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. This is especially useful for companies that want their receptionists to personally record messages from callers.



KX-TVP300



KX-TVP200



KX-TVP50



ISDN : Better Call Management on Affordable High-Speed Data Connections

On the information superhighway, ISDN is the junction to low costs and saving time. By displaying incoming telephone numbers, **Caller ID (CLIP)** delivers both quicker response time and improved service for customers. **Direct Dialing In (DDI)** assigns a telephone number to each extension that gets your customers directly to the service they want. It all makes business efficiency as easy as answering the phone. An ISDN S0 bus can be connected to your internal LAN. It's just one step from there to easy remote accessing of your office files from home with the high-speed data transmission of ISDN. Each new connection fractures the time barrier and puts information out where people can use it. Other ISDN-compatible devices such as Group 4 fax machines, video telephones, and high-speed modems can connect to ISDN S0 bus as well, to give you a high-speed time saver that runs on low cost fuel.

Caller ID*

This system is compatible with Caller ID, which allows a user to see the caller's information on Caller ID compatible phones.

—Call Log, Incoming

If the display digital proprietary telephone (KX-T7431, KX-T7433 or KX-T7436) user cannot answer a call, the telephone can automatically record the caller's information, such as the caller's telephone number, name and the time the call was made. The user can also manually log caller's ID information even after answering the call. These logs, of 0 to 30 stored numbers can be accessed at a future / later date for easy calling to your clients. This improves efficiency and avoids lost business opportunities.

*An optional card is required.

Management toward Saving Money

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

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-TD816 / 1232 systems, you can easily undertake customisation yourself through the system telephone. Other customization and maintenance can be done quickly and efficiently by your dealer using a PC.



TELEPHONES—User-Friendly Features Pa



Dual Colour LED

Alphanumeric LCD

JOG-DIAL

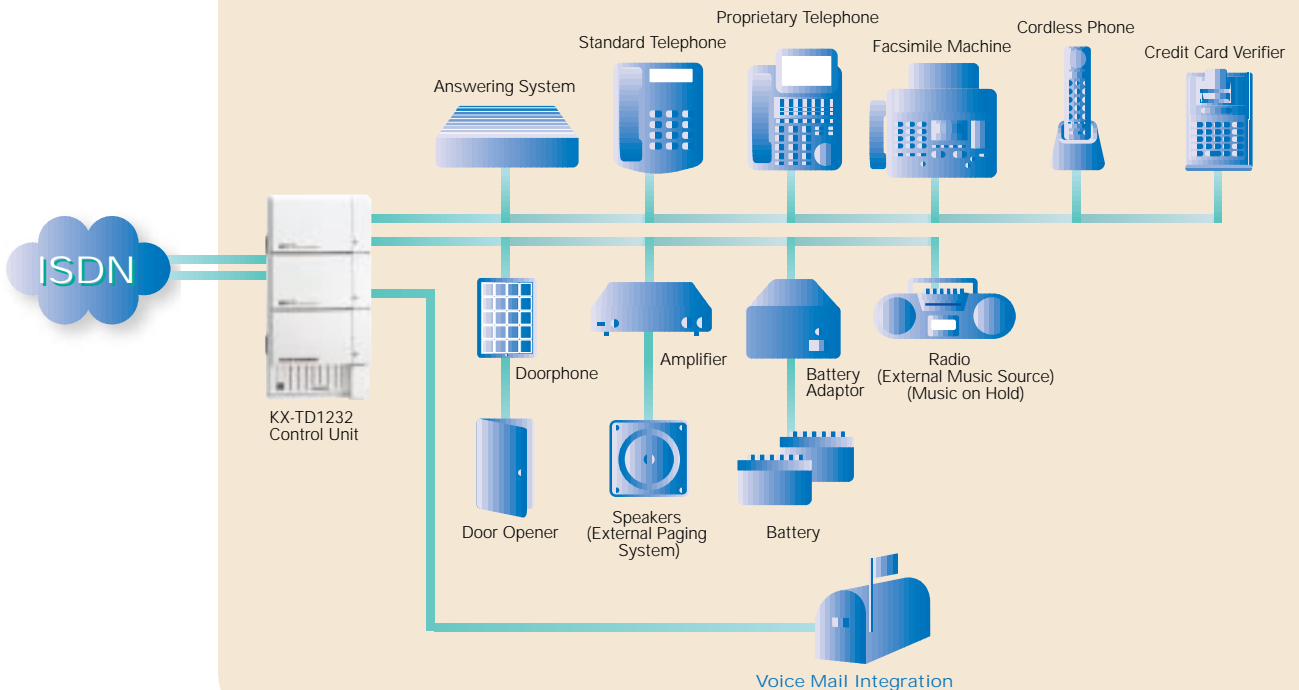
JOG-DIAL for quick operations
 The JOG-DIAL on the KX-T7436, KX-T7433, and KX-T7431 gives you quick access to the Call Directory (using alphanumeric searching) and to system features (using the display menu). On all models, the JOG-DIAL makes it easy to adjust the speaker, handset, and ringer volumes and contrast.

Alphanumeric LCD: for information at a glance
 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



Network Diagram



Backed in a Stylish Design

eXtra Device Port (XDP) for expansion flexibility

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.

Programmable keys with Dual Colour LED (Red / Green) for work accuracy

You can set the programmable keys to provide instant, one-touch feature operations. A Busy Lamp Field (BLF) shows which extensions are in use. 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.

*Top-of-the-line model
with large LCD*



KX-T7436

Superior model with LCD
KX-T7433



Easy-to-use model with LCD
KX-T7431



Easy-to-use model with speakerphone
KX-T7420



KX-T7885



KX-TD7895



DSS Consoles

KX-T7440

- 66 Direct Station Selection/ Busy Lamp Field keys



KX-T7441

- 48 Direct Station Selection/ Busy Lamp Field keys
- Answer Button
- Release Button



Digital Proprietary Telephones Specifications

MODEL	KX-T7436	KX-T7433	KX-T7431	KX-T7420
Alphanumeric Display (Lines x Characters)	6 x 24	3 x 16	1 x 16	—
Function Access Keys for LCD	13	3	—	—
Off Hook Call Announcement (OHCA)	Yes	—	—	—
Whisper OHCA	Yes	Yes	Yes	Yes
Programmable Keys with Two-Color LED	24	24	24	12
Speakerphone / Monitor	Speakerphone	Speakerphone	Speakerphone	Speakerphone
eXtra Device Port (XDP)	Yes	Yes	Yes	Yes

Feature List

Absent Message Capability
 Account Code Entry
 Alternate Calling – Ring / Voice
 Automatic Route Selection (ARS)
 Background Music (BGM)
 Budget Management
 Call Forwarding (All Calls / Busy / Busy, No Answer / Follow Me / to Outside Line)
 Call Hold
 Call Log, Incoming
 Call Park
 Call Pickup
 Call Transfer (Screened / Unscreened)
 Caller ID
 Class of Service (COS)
 Conference
 Data Line Security
 Day (Lunch / Break) Mode / Night Mode
 Direct Inward Dialing (DID) Line Service
 Do Not Disturb (DND)
 Door Opener
 Doorphone Call
 T1 Line Service*
 Electronic Station Lockout
 Emergency Call
 Executive Busy Override (CO Line / Extension)
 Extension Group
 eXtra Device Port (XDP)
 Flash
 Flexible Numbering
 Full One-Touch Dialing
 Handset / Headset Selection
 Handset Microphone Mute
 Handsfree Answerback
 Handsfree Operation
 Hold Recall
 Host PBX Access
 Hotel Application (Room Management / Timed Reminder, Remote Wake-up Call)
 Hunting Group (Circular / Termination / UCD / Automated Attendant / Voice Mail / Ring)
 ISDN Capability (CLIP / COLP / CLIR / DDI / MSN)
 ISDN Extension
 Log-In / Log-Out
 Manager Extension
 Message Waiting
 Music on Hold
 Off-Hook Call Announcement (OHCA)
 Off-Hook Monitor
 One-Touch Transfer by DSS Button
 Operator Call
 Paging (All / External / Group)
 Parallel Telephone Connection
 Phantom Extension
 Pickup Dialing
 Quick Dialing
 Redial (Automatic / Last Number / Saved Number)
 Ring Group
 Speed Dialing (Station / System)
 Station Message Detail Recording (SMDR)
 System Inter Connection*
 System Working Report
 TIE Line Service
 Timed Reminder
 Toll Restriction
 Toll Restriction Override by Account Code Entry
 Trunk Answer From Any Station (TAFAS)
 Uniform Call Distribution (UCD) with message UCD / RING group Call Monitor
 Voice Mail Integration for Digital Proprietary Telephones (Two-Way Recording / Two-Way Transfer / Live Call Screening)
 Whisper OHCA
 *KX-TD1232 only

System Data (Max. Quantity)

	KX-TD816 / KX-TD1232
Operator	2
System Speed Dialing	500
One-Touch Dialing	24 / station
Station Speed Dialing	10 / station
Call Park Positions	10
Absent Messages	9
Outside Line Groups	8
Toll Restriction Levels	8
Extension Groups	8
Class of Service	8
Message Waiting Settings	128 / system
Uniform Call Distribution Groups	8

System Capacity (Max. Quantity)

Lines, Cards, Station Equipment	KX-TD816	KX-TD1232	
		Single System	Double System
System Inter Connection Card	—	—	2
ISDN S0 Line (Basic Rate Interface)	4 (8ch)	6 (12ch)	12 (24ch)
T1	—	1 T1 (24ch)	1 T1 (24ch)
Extension Jacks	16	32	64
Station Terminals	32	64	128
Consoles	4	4	8
Remote Cards	—	1	2
9600bps Speed Remote Card*(TD197)	(1 per KX-TD190)	1	2
33600bps Speed Remote Unit (TD198)	1	—	—
DISA Card*(TD199)	(1 per KX-TD198)	—	—
DISA Unit (TD190)	1	—	—
DISA Card (TD191)	—	1	2
Doorphones	2	2	4
Door Openers	2	2	4
External Music Sources	1	2	4
External Paging Systems	1	2	4

* 9600bps Speed Remote Card cannot be installed directly in KX-TD816, but can be installed in the DISA Unit (KX-TD190) and then to the KX-TD816.
 + Message Card cannot be installed directly in KX-TD816, but can be installed in the 9600bps Speed Remote Unit (KX-TD198) and then to the KX-TD816.

System Specifications

		KX-TD816	KX-TD1232
Dialing Method	External	Dial Pulse (DP) 10pps, 20pps / Tone (DTMF) Dialing	
	Internal	Dial Pulse (DP) 10pps, 20pps / Tone (DTMF) Dialing	
Power Failure	Transfer	To pre-assigned extensions	
	Backup	Several hours with optional batteries	
Connections	Outside Lines	4-pin connector	Modular jack
	Extensions	4-pin connector	Amphenol connector
	Paging Output	Pin jack	Pin jack
	External Music Input	2-conductor jack	2-conductor jack
SMDR	SMDR	V.24 (RS-232C)	V.24 (RS-232C)
	Doorphone	Modular jack	Modular jack
SMDR	Detail Recording	Date, Time, Extension Number, Department Code, CO Line Number, Dialed Number, Call Duration, Charge Fee, Account Code	
Power Source		AC120V, 50/60hz	
Power requirement (max.)		100 Watts	140 Watts
Dimensions(H x W x D)	Basic	470 x 335 x 115 mm	640 x 320 x 115 mm
	Full	470 x 335 x 160 mm	640 x 320 x 160 mm
Weight	Basic	5.5 Kg	8.1 Kg
	Full	8.0 Kg	11.4 Kg

Optional Equipment

KX-TD816	KX-TD1232	Model	Description
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD160	Doorphone / Door Opener Interface Card
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD170	Extension Expansion Unit (8 super hybrid)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD180	CO Line Expansion Unit (4-circuit)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD185	Direct Inward Dialing (DID) Card (4-circuit)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD188	T1 Card (24 channels)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD190	DISA Unit (2 channels) (Option slot for KX-TD197 is available)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD191	DISA Card (2 channels)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD192	System Inter Connection (SIC) Card
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD193	Caller ID Card
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD194	SLT Message Waiting Lamp Adapter Unit (Supports 16 extensions)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD196	9600bps Speed Remote Card
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD197	33600bps Speed Remote Card (KX-TD190 is required)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD198	33600bps Speed Remote Unit (Option slot for KX-TD199 is available)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD199	DISA Card (2 channels) (KX-TD198 is required)
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD284	4 Basic Rate Interface (BRI) ISDN Expansion Unit
<input type="checkbox"/>	<input type="checkbox"/>	KX-TD386	6 Basic Rate Interface (BRI) ISDN Expansion Unit
<input type="checkbox"/>	<input type="checkbox"/>	KX-A296	Call Center Management Software
<input type="checkbox"/>	<input type="checkbox"/>	KX-A46	Battery Adapter
<input type="checkbox"/>	<input type="checkbox"/>	KX-A216	Backup Battery
<input type="checkbox"/>	<input type="checkbox"/>	KX-T30865	Doorphone

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These products were manufactured by Kyushu Matsushita Electric Co., Ltd. which has received both ISO9001 and ISO14001 certification.