

Panasonic

ideas for life



H y b r i d I P P B X S y s t e m

KX-TDA30

- *The Networked System that Maximizes Your Business Performance in an Age of Convergence*

SOHO

Retailers

Branch Offices

Factories

Restaurants



Creating an Intelligent Communications Environment



Revolutionary changes are occurring today in both telecommunications and information technologies.

Panasonic's Hybrid IP PBX system is a powerful communications tool designed to support businesses in today's Converged Networking age. KX-TDA30 provides advanced telephone and messaging solutions, efficient and flexible communications, Wireless Mobility, Voice-Over-IP, and seamless integration with your PC through plug-n-play USB connection.

In line with Panasonic's commitment to user-friendly operation, the Hybrid IP PBX system is easy to use, even if you don't have a lot of IP experience.

KX-TDA30 lets you keep pace with leading-edge technology and features that will completely transform the way your company communicates.

■ Makes Communications Easy

Panasonic's digital telephones are stylish, easy to use, and efficient.

With their large, easy-to-read LCD and four tilt positions, they make life easier for their users and look great too.

■ Alphanumeric Display

Visual feedback on this user-friendly display makes it easier to handle calls and perform other tasks. Use it to view a variety of information (see list below) or to access the Hybrid IP PBX system's many features. You can also make calls by simply following the visual prompts shown on the display.

- Log of incoming and outgoing calls (Call Log)
- Incoming caller's name and number (Caller ID)
- System/personal speed dialing
- Extension lists
- Menu of system features
- Call duration
- Message waiting, absent messages, feature settings
- Calling extension's number and name
- Time and date

■ Headset Jack for Hands-Free Convenience

KX-T7636 with KX-T7603

- 6-Line Backlit Display, 24 CO Keys, and a Speakerphone
- Optional 12 CO Keys and USB port

■ Message/Ringer Lamp (Red/Green)

The large, easy-to-see lamp illuminates to indicate when a call comes in, so you can tell when the telephone is ringing even from a distance. The colour of the lamp indicates the status – flashing green for an internal extension line, flashing red for an outside line, and constant red to indicate that a caller has left a message.



■ Full-duplex Speakerphone

■ Programmable Keys with Red/Green LED

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

■ Multi-language Capability

The Hybrid IP PBX accommodates up to five different languages, for use in areas where more than one language is commonly spoken. The language can be set at the PBX for a specific telephone extension, to meet the needs of the person who uses that extension.

■ eXtra Device Port (XDP) and Digital XDP

Use the XDP to add an analogue phone, cordless phone, or other single-line device to your system, without the cost of an additional line. This lets you 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. The Digital XDP allows you to increase the number of digital telephones without additional station cards. It lets you put functional digital phones in the hands of more of your staff to boost overall office productivity.

■ Wall Mountable

■ Alphanumeric Display

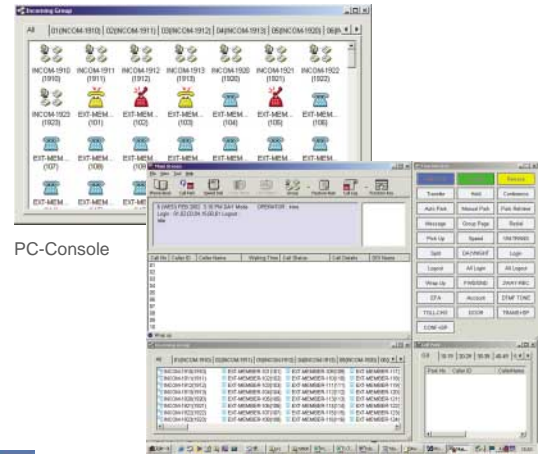


■ Easy-to-Read Back-lit Display



■ PC Phone and PC Console (KX-T7636 and KX-T7633)

Plug-n-play connection via USB terminal to your PC offers an easy CTI (Computer Telephony Integration) solution. Using the PC and telephone together is more efficient and presents a more professional image to callers. PC console allows operators to manage calls more effectively.



PC-Console



PC-Phone



KX-T7633

- 3-Line Back-lit Display, 24 CO Keys, and a Speakerphone
- Optional 12 CO Keys and USB port

KX-T7630

- 3-Line Display, 24 CO Keys, and a Speakerphone

KX-T7625

- Speakerphone and 24 CO Keys

KX-T7665

- 1-Line Display, 8 CO Keys, and a Speakerphone

■ Digital Telephones Specifications

		KX-T7636	KX-T7633	KX-T7630	KX-T7625	KX-T7665
Display	Alphanumeric Display (Lines x Characters)	6 x 24	3 x 24	3 x 24	-	1 x 16
	Tilt-Angle Adjustment	4 Steps	4 Steps	4 Steps	4 Steps	2 Steps
	Display-Contrast Adjustment	4 Levels	4 Levels	4 Levels	-	2 Levels
	Back-lit	✓	✓	-	-	-
	Feature Access Keys for Display	4	4	4	-	-
Keys	Programmable CO Keys with Dual-Colour LED	24 (36*)	24 (36*)	24	24	8
	Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	✓ **	✓ **	✓ **	✓ **	✓
	Navigator Keys	✓	✓	✓	-	-
	Message / Ringer Lamp	✓	✓	✓	-	-
Audio	Speaker-Phone (Monitor) Volume Control	12 Levels	12 Levels	12 Levels	12 Levels	12 Levels
	Handset Volume Control	4 Levels	4 Levels	4 Levels	4 Levels	4 Levels
	Ringer Volume Control	4 Levels	4 Levels	4 Levels	4 Levels	4 Levels
	Off-Hook Call Announcement (OHCA)	✓	✓	✓	✓	-
	Whisper OHCA	✓	✓	✓	✓	✓
Connection	USB Module (KX-T7601) Connectable	✓	✓	-	-	-
	Digital eXtra Device Port (DXDP)	✓	✓	✓	✓	-
	Optional Headset Compatible	✓	✓	✓	✓	-
Others	Station Speed Dial Numbers	10	10	10	10	10
	Wall Mount	✓	✓	✓	✓	✓

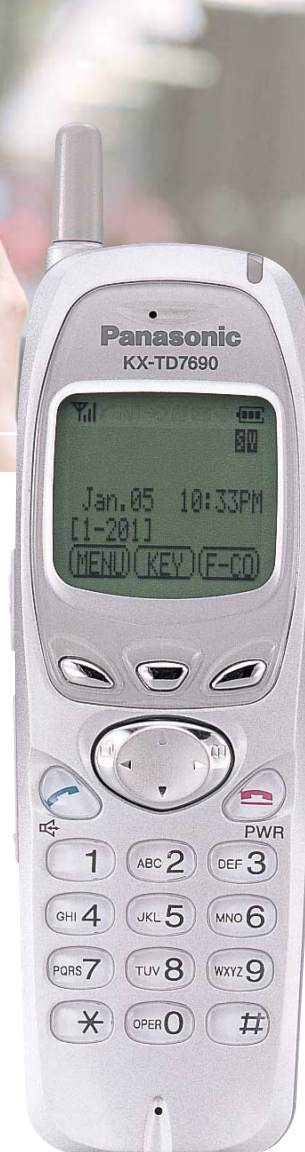
■ Ergonomically-Designed, 4-Step, Tilt-Angle Adjustment



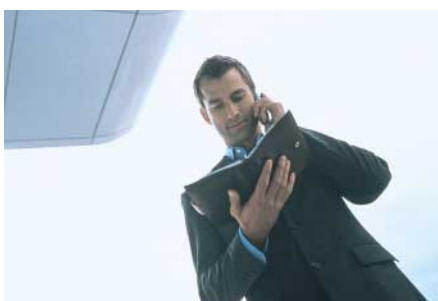
* 36 programmable CO Keys are available when the optional 12-CO Key Add-On Module (KX-T7603) is selected.
 ** Can be assigned to a Programmable CO Key.

More Freedom, Greater Clarity

Today's companies need to keep their employees fully accessible throughout the day. Panasonic Wireless connectivity does exactly that. It also boosts customer loyalty, reduces work time and accelerates response. Wireless communication over an extended range is achieved by using multiple cell stations that boost the flexibility and mobility of your wireless handset. With the Wireless XDP, you can set your wireless telephone to have the same extension as your desk telephone, and then receive calls even when away from the desk. You're always there, ready to receive your customers' calls, and make the most of every business opportunity that comes along.



- LCD with Back Light
- Multiple Languages Display (English/French/Spanish)
- Automatic Hand-over for Seamless Connection
- Automatic Answer
- Optional Headset for Hands-Free Conversation
- Incoming Call Indication by Vibration
- Customized Caller ID
- Illuminated Keypad
- 4 Ringer Melodies and 6 Ringers
- 100-PS directories
- Call Log



KX-TD7690
Compact Business Model
Actual Size

KX-TD7680
Basic Model
Actual Size



■ Wide Flexibility, Easy Programming

You can use the Panasonic PBX with existing KX series telephones, and easily program it from a handset or from your PC. Software upgrades are easy too, using an SD Memory Card.

■ Messaging that Adds More Value and Accuracy to Your Business

Panasonic Voice Processing Systems lets you record, send and retrieve messages 24 hours a day, 7 days a week world-wide, and help to efficiently handle your telephone system traffic and internal communication needs.

You can even customize the system to meet the needs of different callers using Multilingual Service and Caller ID Call Routing. By combining this with a Panasonic Voice Mail System, you can get additional features that are available only from Panasonic, such as Live Call Screening, Two-Way Recording, and Two-Way Transfer.

■ An Affordable System that Improves Efficiency

With its intelligent call-handling functions, the Panasonic Hybrid IP PBX system can serve as the core of an efficient small contact centre for outstanding customer service. Use the Hybrid IP PBX to automatically distribute incoming calls as desired.

Calls can be queued while your team is busy on the telephone; pre-recorded messages can be played to reassure callers while they wait for their call to be answered. If there is no reply or if the phones are all busy, music or pre-recorded promotional messages can be played on hold. You can also assign a backup extension as an overflow destination for calls not answered within a specified period of time.

The system provides a variety of call distribution patterns. Effective use of the different patterns – Uniform Call Distribution (UCD), Priority Hunting, and Simultaneous Ring – can help you manage calls more efficiently.

Group Features

- VIP Call (Priority Answer)
- CLIP Distribution
- Queuing Table

Agent Features

- Log-in / Log-out
- Ready / Not Ready
- Wrap up

Supervisor Features

- Monitoring group activity in real time, with real-time display view
- Historical analysis
- Agent management with DSS
- Agent status monitor
- Remote agent log-in / out by DSS
- Autoanswer by headset





■ Higher Productivity, Greater Customer Satisfaction

A built-in USB port makes it easy to connect a Panasonic digital telephone to your personal computer. Using PC Phone and PC Console software, you can integrate your phone system with a database, giving you a powerful support tool for Customer Relationship Management (CRM).

The caller's ID and other information automatically pop up on your PC's display before you take the call. This makes it easy to give your customers a level of service that reflects well on your company. The easier the operator can transfer the customer to the correct person, the more professional your organization looks and the more efficient you operate.

You can add a doorphone and Network Camera (the Panasonic KX-HCM series) for surveillance. When someone rings the doorbell, the camera will send the visitor's image to your PC display for confirmation.



■ Panasonic Helps to Cut Costs

Least Cost Routing (LCR) saves money by choosing the most inexpensive calling route. To prevent unauthorized people from using the telephone, you can set each extension to require a password for outgoing calls. A time limit can also be set on conversations.

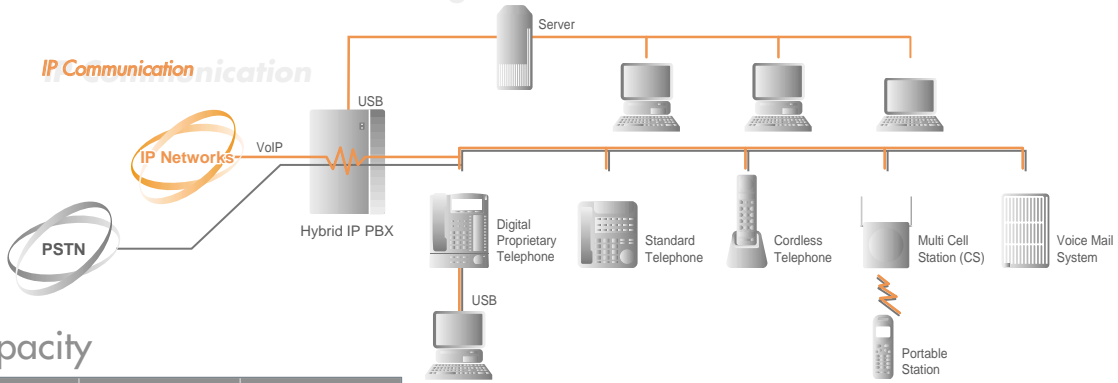
Using a VoIP gateway, the Hybrid IP PBX converts telephone voice signals into IP packets, making it possible for you to use VoIP technology with your present telephone units. VoIP allows simultaneous voice and data transmission on your existing managed data network.

■ Company-wide Voice Network

The Hybrid IP PBX can serve as the core of an inexpensive, easy-to-use interoffice networking system. Using our VoIP technology the KX-TDA30 supports closed number dialing and digit translation to create your own private network.

As an example, for customers with a Panasonic KX-TDA 100 or KX-TDA200 in the head office, VoIP can be used to implement KX-TDA30s in all the branch offices. Using the network numbering plan, you can assign a telephone number to each extension in a branch or head office, reducing communication costs.





System Capacity

	Initial	With Additional AC Adaptor
Max. Total Port (Extension+Trunk)	36	36
Max. Trunk Port	8 or 12	8 or 12
Analogue Trunk	12	12
Max. IP Gateway	1 (4ch)	1 (4ch)
Max. Extension Port	28	28
Analogue Proprietary Telephone	4	4
Single Line Telephone	24	24
Digital Proprietary Telephone (except for KX-T7600 series and KX-T7665)	4	24
Digital Proprietary Telephone (T7600 series)	24	24
KX-T7665	24	24
DSS Console	4	4
Cell Station	4	8
Voice Processing System	1 System*1	1 System*1
Wireless Telephone	28	28
PC-Console	2	2
PC-Phone	24*2	24*2
Door Opener	4	4
Doorphone	4	4

*1 A maximum of 4 ports (8 channels) of a single VPS can be connected to the Hybrid IP-PBX.

*2 Five licenses are provided on each CD-ROM.



System Feature Capacity

System	Tenant	KX-TDA30
System	Tenant	8
	Class of Service	64
	Trunk Group	64
	User Group	32
	Paging Group	32
	Call Pickup Group	64
	Incoming Call Distribution Group	64 (32 extensions/group)
	VM (Digital/Analogue Integration) Group	1 unit x 8 ch
	VM (DTMF) Group	2 groups x 24 ch
	Queuing Time Table	64 (16 steps/table)
	Idle Extension Hunting Group	64 (16 extensions / group)
	SMDR	200 calls
	Absent Message (System/Extension)	8 messages x 16 digits/1 message x 16 digits
	Message Waiting	256
	Number of characters for Display ID	20
Dialing	Extension Number Digit	1-4
	Call Park Area	100
	Conference	3x10 - 8x4
	Verified Code	4 digits (1000 entries)
	Verified Code's Password	10 digits (1000 entries)
	Special Carrier Code	16 digits (20 entries)
	Host PBX Access Code	10 digits (10 entries/ Trunk Group)
	Emergency Call	32 digits (10 entries)
	Quick Dialing	1-4 digits (80 entries)
	System Speed Dialing	32 digits (1000 entries)
ARS	Personal Speed Dialing	32 digits (10 entry/extension)
	One-Touch Dialing	32 digits
	Hot Line	32 digits
	Redial	32 digits
	Routing Plan	16
	Leading Digits	16 digits (1000 entries)
	Leading Digit Exception	200 entries
	ARS Carrier	10
	Itemized Billing Code	10 digits
	Authorization Code	10 digits
Networking	TIE Routing Table	32 entries
	Leading Digits	3 digits
	PBX Code	7 digits
Toll Restriction	Toll Restriction Level	7
	Toll Restriction Denied Code	16 digits (100 entries/level)
	Toll Restriction Exception Code	16 digits (100 entries/level)
Call Log	Outgoing Call Log (for PT)	0-100 log/Extension, 5x24 log/system
	(for PS)	0-100 log/Extension, 5x28 log/system
	Incoming Call Log (for PT)	0-100 log/Extension, 10x24 log/system
	(for PS)	0-100 log/Extension, 10x128 log/system
Password	(for ICD Group)	0-100 log/Group, 10x64 log/system
	System Password (Administrator)	4-10 digits
	System Password (End User)	4-10 digits
	Manager Password	4-10 digits
Personal Password	0-10 digits	

Option List

Model	Description	Maximum Quantity
KX-TDA3171	4-Port Digital Extension Card (DLC4)	1
KX-TDA3172	8-Port Digital Extension Card (DLC8)	2
KX-TDA3173	4-Port Single Line Telephone Extension Card (SLC4)	1
KX-TDA3174	8-Port Single Line Telephone Extension Card (SLC8)	2
KX-TDA3180	4-Port Analogue Trunk Card (ILCOT4)	3
KX-TDA3480	4-Channel VoIP Gateway Card (IP-GW4)	1
KX-TDA3161	4-Port Doorphone and External Input / Output Card for KX-T30865 (DPH4)	1
KX-TDA3166	8-Channel Echo Canceller Card (ECHO8)	1
KX-TDA3168	Extension Caller ID Card (EXT-CID)	1
KX-TDA3191	2-Channel Message Card (MSG2)	2
KX-TDA3193	4-Port Caller ID Card (CID4)	3
KX-TDA3196	Remote Card (RMT)	1
KX-TDA0141	2-Channel Cell Station Unit for 2.4GHz Portable Station	+
KX-A236	Optional AC Adaptor and AC Cord	1
KX-A228	Back-up Battery Cable	1
KX-TDA0300	PC Console Software	+
KX-TDA0350	PC Phone Software	+
KX-T30865	Doorphone	4

+ Please refer to System Capacity chart.

Specifications

KX-TDA30		
Dialing	Trunk	Dial Pulse (DP) 10pps, 20pps / Tone (DTMF) Dialing
	Extension	
Switching		Non-blocking
Power Failure	Backup	Several hours with optional batteries
Connections	Trunk	RJ11 connector
	Extension	RJ11 connector
	Paging Output	2-conductor jack (MINI JACK3.5mm diameter)
	External (Music on Hold) output	1 conductor jack
Serial Interface Port	RS-232C	1 (Max. 115.2kbps)
	USB	1
SMDR	Detail Recording	Date, Time, Extension Number, CO Line Number, Dialed Number, Call Duration, Account Code
Power Source		100V AC to 240V AC, 1.5A, 50Hz / 60Hz
Power Consumption (Average)		55W
Safety Certification		UL, CSA, TÜV-GS, CE
Dimensions (W x H x D)		275 x 376 x 117mm
Weight (full mounted)		3.5kg



Feature List

System Features

- Automatic Route Selection (ARS)/ Least Cost Routing (LCR)
- Background Music (BGM)
- Busy on Busy
- CTI
- Call Park with Indication
- Call Pickup Group
- Calling Line Identification Distribution (CLI)
- Class of Service (COS)
- Data Line Security
- Delayed Ringing
- Direct Inward System Access (DISA)
- Door-Phone/Door Opener
- Echo Cancellation
- Extension Lock
- Emergency Call
- Existing APT/DPT Compatibility
- External BGM
- Flexible Numbering Plan (4 digits)
- Floating Extension
- Greeting Message
- Host PBX Access Code
- Hunting Group
- Hurry-Up Transfer
- Incoming Group (Hunting Group)
- Intercept Routing - Busy/DND
- Intercept Routing - No Answer
- Intercept to Trunk
- Main Processing (MPR), Card/CS Software Download
- Manager Functions
- Multiple Language Support
- Online Diagnostics
- Operator Functions
- PC Console/PC Phone
- PC Programming
- Paging Group
- Quick Setup
- Remote Alarm Notification
- Remote Extension Status Control through DISA
- Remote Extension Lock
- Ring Group
- Special Carrier Access
- Station Message Detail Recording (SMDR)
- Tenant Service
- Timed Reminder
- Time Service (Day/Night/Lunch/Break)
- Toll Restriction
- Trunk Group
- Uniform Call Distribution (UCD)
- User Group
- VIP-Call
- Visual Caller ID

<Voice Mail (VM) Features>

- Automatic Configuration - Quick Setup
- Call Forwarding to VM
- Caller's Identification Notification to VM
- Intercept Routing to VM
- Live Call Screening (LCS)
- Remote PBX Data Control by VM
- VM (Digital/DTMF) Integration
- VM Mail Transfer

- Dial Type Selection
- Digital eXtra Device Port (XDP)
- Direct One-Touch Answering
- Do Not Disturb (DND), DND Override
- DSS Console
- Executive Busy Override
- Extension Directory
- Extension-to-Trunk Call Duration Time
- External Feature Access
- Flexible Buttons
- Full Duplex SP-phone (except KX-T7665)
- Hands-free Operation
- Handset/Headset Selection
- Hot Line
- Large LCD Features with Back-lit
- Last Number Redial
- Log-In/Log-Out
- Message Waiting
- Multi-Lingual Display
- Multiple Hop Call Forwarding (4 steps)
- Music on Hold
- Off-Hook Call Announcement (OHCA)
- Off-Hook Monitor
- One-Touch Dialing
- Paging (Deny, Paging Transfer)
- Paralleled Telephone (APT/DPT+SLT, DPT/SLT+PS)
- Redial, Last Number
- Remote Station Control
- Special Carrier Access
- Speed Dialing - Personal/System
- Time and Date Display
- Tone-Pulse Conversion
- Trunk Answer from Any Station (TAFAS)
- Walking COS
- Whisper OHCA (Off-Hook Call Announcement)
- Wrap-Up
- eXtra Device Port (XDP) (except KX-T7665)

<Wireless Features>

- Automatic Handover
- Headset Compatibility
- Incoming & Outgoing Call Log
- Wireless XDP Parallel Mode
- Vibrator Ring

Networking Features

- ARS with VoIP
- Closed Numbering
- DISA Call to the Network
- Private Network to Public Network
- Public Network to Private Network
- Transfer to Network PBX
- VoIP Network (Built-in IP-GW)

DPT : Digital Proprietary Telephone
 APT : Analogue Proprietary Telephone
 SLT : Single Line Telephone

Extension Features

- Absent Message
- Account Code Entry (Forced)
- Automatic Callback Busy
- Automatic Pause Insertion
- Automatic Redial
- Boss - Secretary
- Caller ID to SLT
- Call Forwarding (All Calls, Busy, Busy/No Answer, No Answer, Follow Me, From Incoming Group)
- Call Hold
- Calling Party Control (CPC) Signal Detection
- Call Pickup (Directed, Group, DSS, Deny)
- Call Splitting
- Call Transfer (Screened, Unscreened, One-Touch Transfer, Transfer Recall)
- Conference (3-Party Conference, Multi Party Conference, Unattended Conference)



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