Panasonic
ideas for life

Hybrid IP PBX System

KX-TDA30

The Networked System that Maximises Your Business Performance in an Age of Convergence

SOHO

Retailers

Branch Offices

Factories

Restaurants

Creating an Intelligent Communications Environment

Branch Offices

Factories

Restaurants

SOHO

Retailers

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 (ISDN, Caller ID)
- System/personal speed dialling
- 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 Back-lit 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 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-T7640
- Digital DSS Console (60 DSS)

■ Digital Telephones Specifications

|		KX-T7636	KX-T7633	KX-T7630	KX-T7625	KX-T7603	KX-T7640
Display	Alphanumeric Display (Lines x Characters)	6 x 24	3 x 24	3 x 24	-	-	-
	Tilt-Angle Adjustment	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps
	Display-Contrast Adjustment	4 Levels	4 Levels	4 Levels	-	-	-
	Back-lit	√	√	-	-	-	-
	Feature Access Keys for Display	4	4	4	-	-	-
Keys Audio	Programmable CO Keys with Dual-Colour LED	24 (36*)	24 (36*)	24	24	12	-
	Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	√ **	√ **	√ **	√ **	√ **	60
	Navigator Keys	√	√	√	-	-	-
	Message / Ringer Lamp	√	√	√	√	-	-
Audio	Speaker-Phone (Monitor) Volume Control	12 Levels	12 Levels	12 Levels	12 Levels	-	-
	Handset Volume Control	4 Levels	4 Levels	4 Levels	4 Levels	-	-
	Ringer Volume Control	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 (KX-TCA89) Compatible	√	√	√	√	-	-
Others	Station Speed Dial Numbers	10	10	10	10	-	-
	Wall Mount	√	√	√	√	√	√

*   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.

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

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.

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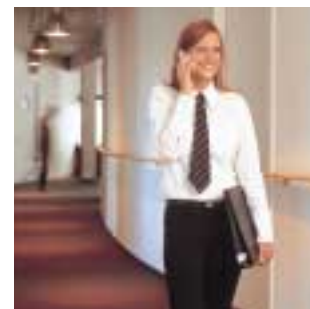
- LCD with Back Light
- Multiple Languages Display
  (English/French/Spanish)
- Automatic Hand-over for Seamless
  Connection
- Automatic Answer
- Optional Headset for Hands-Free
  Conversation
- Incoming Call Indication by Vibration
- Customised Caller ID
- Illuminated Keypad
- 4 Ringer Melodies and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

KX-TD7690
Compact Business Model

KX-TD7680
Basic Model

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 let you to 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.

If you are short of staff, you can handle calls with the Automated Attendant Service. You can also upgrade to Unified Messaging using CTI technology that combines e-mail, fax and voice mail, giving you multi-media communication capabilities.

You can even customise 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 organisation 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 unauthorised 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.
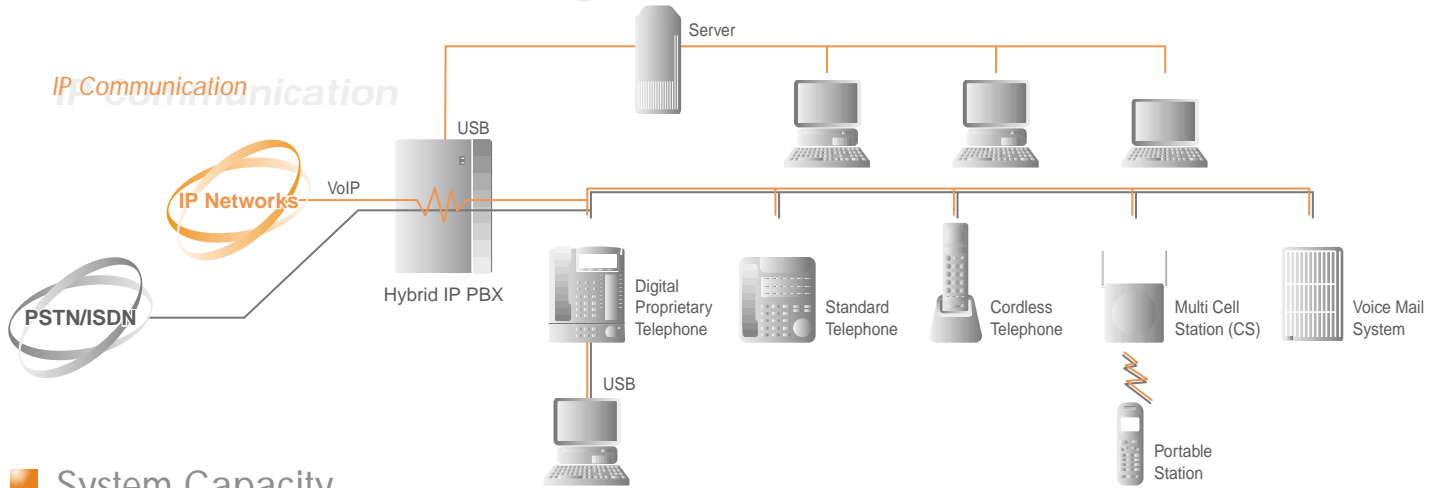
Company-wide Voice Network

The Hybrid IP PBX can serve as the core of an inexpensive, easy-to-use interoffice networking system. Virtual Private Networking (VPN) is a service provided by the telephone company. It uses an existing line as if it were a private line. The KX-TDA30 supports closed number dialling and digit translation to create your own private digital network.
The KX-TDA30 also supports QSIG* protocol, allowing you to interconnect numerous PBX locations into a large, effectively seamless virtual telephone system, and giving you access to more advanced communication functions. As an example, for customers with a Panasonic KX-TDA100 or KX-TDA200 in the head office, QSIG 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.

* QSIG is an industry-standard digital networking protocol. QSIG Networking is available with PBX systems that support ISDN BRI QSIG.

Diagram labels: CTI Integration, IP Communication, Server, USB, VoIP, IP Networks, PSTN/ISDN, Hybrid IP PBX, USB, Digital Proprietary Telephone, Standard Telephone, Cordless Telephone, Multi Cell Station (CS), Voice Mail System, Portable Station

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
	ISDN Trunk	12-ch	12-ch
	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-T7560/7565)	4	24
	Digital Proprietary Telephone (T7600 series)	24	24
	KX-T7560/7565	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.

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-TDA3280	2-Port BRI Card (BRI2)	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
Dialling	Trunk	Dial Pulse (DP) 10pps, 20pps / Tone (DTMF) Dialling
	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, Dialled Number, Call Duration, Charge Fee, 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

System Feature Capacity

		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
	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)
	DDI/DID Table	32 digits (1000 entries)
Dialling	Emergency Call	32 digits (10 entries)
	Quick Dialling	1-4 digits (80 entries)
	System Speed Dialling	32 digits (1000 entries)
	Personal Speed Dialling	32 digits (10 entry/extension)
	One-Touch Dialling	32 digits
	Hot Line	32 digits
	ISDN Service Access	32 digits
	Redial	32 digits
ARS	Routing Plan	16
	Leading Digits	16 digits (1000 entries)
	Leading Digit Exception	200 entries
	ARS Carrier	10
	Itemised Billing Code	10 digits
	Authorisation 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)
Charge Management	Charge Rate	8 digits
	Charge Denomination	3 characters
Call Log	Outgoing Call Log (for PT)	0-100 log/Extension, 5x24 log/system
	Outgoing Call Log (for PS)	0-100 log/Extension, 5x28 log/system
	Incoming Call Log (for PT)	0-100 log/Extension, 10x24 log/system
	Incoming Call Log (for PS)	0-100 log/Extension, 10x128 log/system
	Incoming Call Log (for ICD Group)	0-100 log/Group, 10x64 log/system
Password	System Password (Administrator)	4-10 digits
	System Password (End User)	4-10 digits
	Manager Password	4-10 digits
	Personal Password	0-10 digits

Feature List

System Features

- Automatic ISDN Setting (BRI)
- Automatic Route Selection (ARS)/ Least Cost Routing (LCR)
- Background Music (BGM)
- Budget Management
- 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 In Lines (DIL)
- Direct Inward Dialling (DID)
- 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

- 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
- 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 Dialling
- Paging (Deny, Paging Transfer)
- Paralleled Telephone (APT/DPT+SLT, DPT/SLT+PS)
- Redial, Last Number
- Remote Station Control
- Special Carrier Access
- Speed Dialling - 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)

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

<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

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)

ISDN Service Features

- Advice of Charge (AOC)
- Call Hold (HOLD)
- Calling Line Identification Restriction (CLIR)
- Calling Line Identification Presentation (CLIP)
- Completion of Calls to Busy Subscriber (CCBS)
- Connected Line Identification Presentation (COLP)
- Connected Line Identification Restriction (COLR)
- Direct Dialling Inward (DDI)
- ISDN Call Forward (CFU/CFNR/CFB)
- ISDN Call Transfer (CT)
- ISDN Extension
- Malicious Call Identification (MCID)
- Multiple Subscriber Numbers (MSN)

Networking Features

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

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

Panasonic®