KX-TDA30AL
HYBRID IP-PBX SYSTEM

the voice of business

Panasonic
ideas for life

PANASONIC COMMUNICATION SOLUTIONS

Panasonic Australia is part of the Matsushita Group - a worldwide leader in the development and manufacture of products for a wide range of consumer, business and industrial needs.

The Matsushita Group was founded in 1918. Today, Matsushita Group with its flagship Panasonic brand has annual sales in excess of USD$80,000,000* with more than 300,000 employees.

Panasonic has been manufacturing telephone systems since 1986 with the launch of the world's first two hybrid port systems (KX-T308 and KX-T616). The cost savings and superior flexibility of these hybrids quickly made them the world's best-selling systems.

In Australia, we have built the business to be one of the flagship

product areas within Panasonic Business Systems. Panasonic Australia has a strong national network of over 70 dealers, covering all States and Territories, both in metropolitan and regional areas.

Panasonic maintains an on-going programme of training and accreditation to ensure the highest standard of product experience and technical aptitude is maintained within our dealer network.
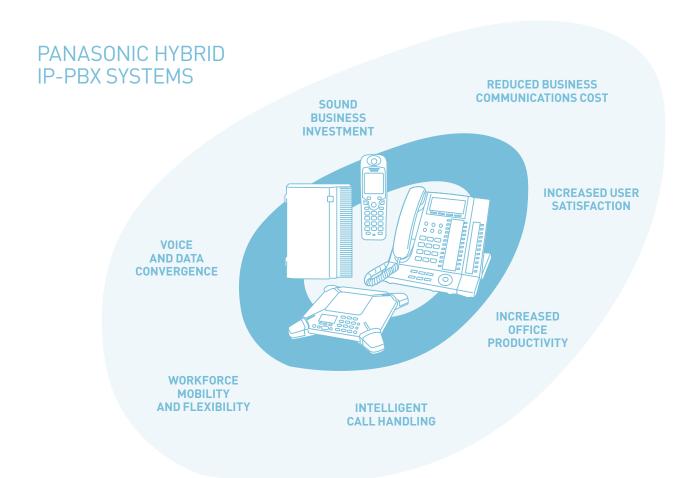
Panasonic has continued to demonstrate its commitment to providing future-ready products, developing new hardware and software as network services and customer needs evolve. This is clearly seen in the Panasonic KX-TDA Hybrid IP-PBX systems which have been designed to provide advanced features and

support for Voice Over Internet Protocol (VoIP), first and third-party computer telephony and networking while maintaining their renowned ease of operation.

Panasonic KX-TDA Hybrid IP-PBX features also include backward compatibility, universal slots, CTI application interoperability via standard published interfaces, and remote maintenance and software upgrade capabilities.

* Year ending 31st March 2005

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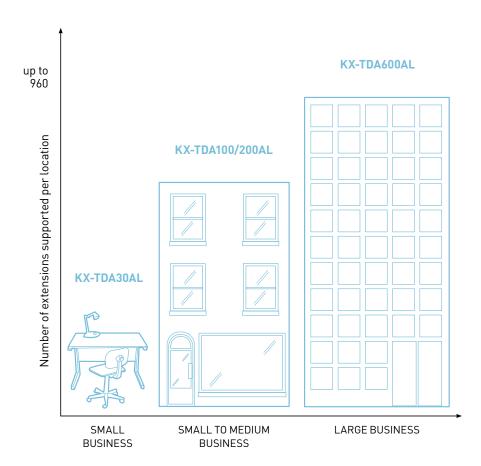
PANASONIC HYBRID IP-PBX SYSTEMS

SOUND BUSINESS INVESTMENT

REDUCED BUSINESS COMMUNICATIONS COST

INCREASED USER SATISFACTION

VOICE AND DATA CONVERGENCE

INCREASED OFFICE PRODUCTIVITY

WORKFORCE MOBILITY AND FLEXIBILITY

INTELLIGENT CALL HANDLING

Investment in a telecommunication system requires business communication foresight. Businesses need to be able to effectively communicate today - yet want to make sure that they are properly equipped to handle the growing demands of their future communication needs.

The Panasonic KX-TDA Hybrid IP-PBX systems combine the advantages of traditional telecommunications with the convergence of IP technology offering maximum feature and functional flexibility to handle all your business communication needs - Today and in the Future.

up to 960

Number of extensions supported per location

KX-TDA600AL

KX-TDA100/200AL

KX-TDA30AL

SMALL BUSINESS   SMALL TO MEDIUM BUSINESS   LARGE BUSINESS

Business Size

Panasonic KX-TDA Hybrid IP-PBX the voice of business

Reliability

Panasonic business telephone systems are manufactured to the highest possible standards at a factory that has earned ISO 9001 certification for design, development and manufacture of telecommunications equipment.

This is further supported by the provision of a factory warranty.

Ease of Maintenance

In addition to renowned reliability, the Panasonic KX-TDA Hybrid IP-PBX system is also designed for quick, easy maintenance to keep system downtime to an absolute minimum.

The Panasonic KX-TDA Hybrid IP-PBX is truly a business telephone system for today and tomorrow.

The system is a communications tool that can grow with your business. Due to the modular architecture, the system can be cost effectively expanded and upgraded to offer more services as your needs evolve. You can also upgrade your system to support new technologies such as VoIP while continuing to use your existing analogue or digital handsets.

Scalability to Match Your Business Growth

Your new telephone system can grow with you with handsets and accessories that are common across the system range.
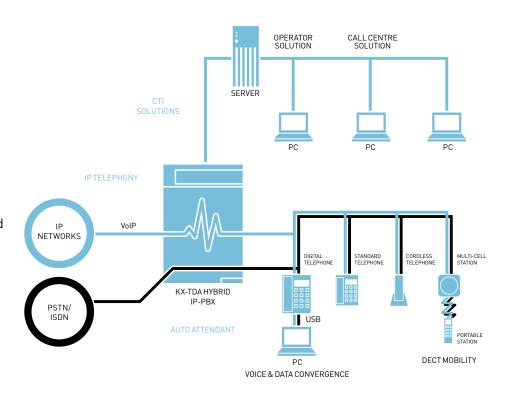
REDUCED BUSINESS COMMUNICATIONS COST

System Overview

The Panasonic KX-TDA Hybrid IP-PBX combines PBX features and reliability with IP technology to create a host of advanced functions.

Features such as Voicemail, Intelligent Call Handling for Call Centre application, Wireless DECT mobility, Computer Telephony Integration (CTI), Networking and Hospitality features are supported as well as optional VoIP gateway and PC Phone application.

OPERATOR SOLUTION | CALL CENTRE SOLUTION

SERVER

CTI SOLUTIONS

PC | PC | PC

IP TELEPHONY

IP NETWORKS — VoIP

KX-TDA HYBRID IP-PBX

PSTN/ ISDN

AUTO ATTENDANT

DIGITAL TELEPHONE | STANDARD TELEPHONE | CORDLESS TELEPHONE | MULTI-CELL STATION

USB

PORTABLE STATION

PC
VOICE & DATA CONVERGENCE

DECT MOBILITY

Keeping Telephone Costs Down

Any business could benefit from a low cost, easy to use and reliable inter-office networking system. Using a VoIP gateway, the system converts telephone voice signals into IP packets, making it possible for you to use VoIP technology even with existing telephone units. The Panasonic KX-TDA Hybrid IP-PBX also supports the QSIG* protocol, making it effective for building a company-wide voice network. Automatic Route Selection (ARS) saves money by choosing the most inexpensive calling route. Also, in addition to cutting costs, VoIP technology and networking give you easier access within networks.

*QSIG is an industry standard digital networking protocol.

For effective communication Panasonic KX-TDA Hybrid IP-PBX systems allow you to choose from a wide range of services. The system provides businesses with a range of user-friendly solutions allowing you to find the right solution to handle your business application needs and improve your customer and user satisfaction.

Panasonic digital telephones are stylish, easy to use and efficient. Features include a large, easy to read 6-line backlit LCD that can display up to 24 characters, an easy to view Message/Ringer Lamp, Navigator Keys for quick and easy operation, 4-Step angle adjustment for greater comfort, and a USB terminal that provides simple plug and play connection with a PC.
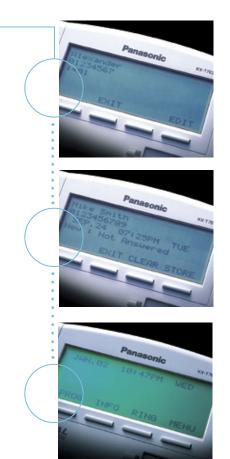
Ergonomic Design, 4-Step, Tilt-Angle Adjustment

Large Display, Variety of Information

By providing visual feedback, the user-friendly display makes it easier to handle calls and perform other tasks. Use the display to view a variety of information (see list below) or access the Hybrid IP-PBX system's many features. You can also make calls by 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
- Voice Mail (VM) Menu
- Call duration
- Message waiting, absent messages and feature settings
- Calling extension's number and name.

PC Console and PC Phone

The optional Panasonic PC Phone software integrates an individual's Microsoft Outlook database with the phone system, while PC Console allows operators to manage calls more professionally and effectively.

Note: USB module (KX-T7601) is required. KX-T7601 supports all features of the PC Phone software for a 90 day trial from the date of installation. After this period expires, the following buttons on the operation screen will become unavailable:

- Recording
- Telephone Answering Machine (TAM)
- Voice Memo
- Text Memo
- Speed

To continue using any of the corresponding features after the trial period, please purchase KX-TDA0350 (PC Phone, 5 licenses).

KX-T7636AL with KX-T7603X

- 6-Line Backlit Display, 24-Programmable Keys and Speakerphone
- Optional 12-Programmable Keys and USB port
- Available in black or white

Headset Jack for Hands-Free Convenience

Message/Ringer Lamp (Dual Colour)

Digital Duplex Speakerphone

Time-Saving, Easy-to-Use Navigator Key

Programmable Keys with Red/Green LED

eXtra Device Port (XDP) and Digital XDP (DXDP)

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 DXDP allows you to increase the number of digital telephones, without the cost of additional hardware. It lets you put functional digital phones in the hands of more of your staff to boost overall office productivity.

Multi-Language Capability

The Panasonic KX-TDA Hybrid IP-PBX system accommodates up to five different LCD 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.

Message/Ringer Lamp (Dual Colour)

The large, easy to see lamp illuminates to indicate when a call arrives, so you can tell which phone is ringing even from a distance. The colour of the lamp indicates the status - green (flashing) for an internal call, red (flashing) for an outside call and red (solid) to indicate that the caller has left a message.

Digital Handset Range

KX-T7633AL
- 3-Line Backlit Display
- 24-Programmable Keys
- Digital Duplex Speakerphone
- Optional Keys and USB port
- Available in white

KX-T7630AL
- 3-Line Display
- 24-Programmable Keys
- Digital Duplex Speakerphone
- Available in black or white

KX-T7625AL
- 24-Programmable Keys
- Digital Duplex Speakerphone
- Available in white

KX-T7667AL
- 1-Line Display
- 12 Programmable Keys
- Headset Jack
- Available in black or white

KX-T7665AL
- 1-Line Display
- 8 Keys
- Digital Duplex Speakerphone
- Available in black or white

KX-T7640AL
- Digital Station Selection Console (60 DSS)
- Available in black or white

Higher Productivity, Greater Customer Satisfaction via Desktop PC Integration

Desktop PC Integration improves call handling and provides added functionality for power users. A 'snap-in' high-speed USB module makes it easy to connect the digital telephone to your desktop or laptop computer.

Attendant Productivity

Productivity can be improved further by using the PC Console software application giving operator attendants the ability to answer and transfer calls and perform other routine call-handling duties by simple, visual drag-and-drop operations using a standard PC mouse or other similar pointing device.
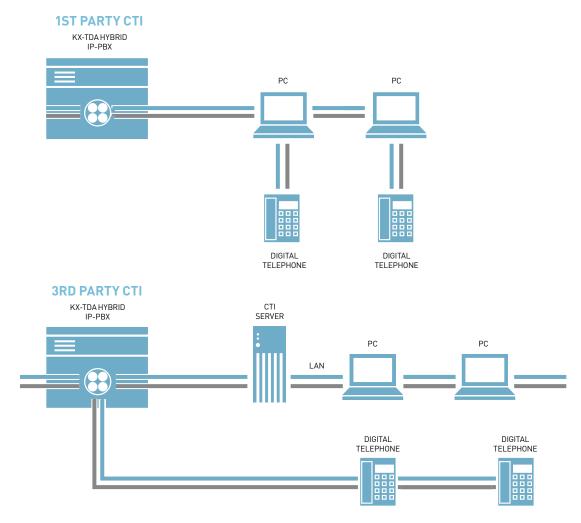
The attendant can also take notes in the absence of a user. These notes pop-up when the user calls the attendant to retrieve the messages.

Increased User Productivity via CTI

Using PC Phone, you can handle calls just as easily as emails. Conversations can also be recorded and attached as voice memos to emails. With PC Phone software, you can also integrate your phone system with a database, giving you a powerful Customer Relationship Management (CRM) support tool. Selective or Automatic Call Recording, Intelligent Telephone Answering Machine (TAM), as well as Microsoft Outlook synchronisation are just a few of the exceptional features that can provide enhanced added functionality to telephony power users in your company.

Attend to Visitors Without Leaving Your Desk

Using an optional Door-Phone and Interface Cards, you can have a designated telephone, including a mobile phone, ring when a visitor presses the doorbell – allowing you to respond to a visitor and even unlock the door without leaving your desk, saving time for both you and your guest.

1ST PARTY CTI

KX-TDA HYBRID
IP-PBX

PC   PC

DIGITAL   DIGITAL
TELEPHONE   TELEPHONE

3RD PARTY CTI

KX-TDA HYBRID   CTI
IP-PBX   SERVER

LAN   PC   PC

DIGITAL   DIGITAL
TELEPHONE   TELEPHONE

With its intelligent call-handling functions, the Panasonic KX-TDA Hybrid IP-PBX can serve as the core of an efficient contact centre that provides outstanding customer service. Use the system to automatically distribute incoming calls as desired. You can also program the system to direct callers to the appropriate group for efficient call handling.

Superior Call-Handling Efficiency

You can assign a backup extension as an overflow destination for calls not answered within a specified period of time. You may designate any extension you want as the overflow destination—a company message box, for example—and you can designate different overflow destinations for when the PBX is in day, lunch, break or night mode.

Designated member extensions can "log in" to join their designated group and begin handling calls, or "log out" to exit the group temporarily, such as when taking a break. An extension can also be designated for use by the supervisor, who can access information about incoming calls to each group (the number of queued calls, the longest queuing time, etc.), check the log-in/log-out status and monitor the status of group members.

Other features, listed below, help ensure greater customer satisfaction and prevent missed business opportunities.

- VIP Call, which provides special handling for key customers
- Automated Attendant, which answers calls automatically
- Queuing, which puts the caller on hold and plays messages and music when no one is available.

The Panasonic KX-TDA Hybrid IP-PBX 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.

Simple Convenient Voice Messaging Solution

The system provides users with an efficient, cost effective private voicemail solution with the Simplified Voice Message (SVM) card. Each extension user can have a personal Voice Mailbox which can play outgoing greeting messages as well as record incoming voice messages irrespective of the type of telephone used. With the Simplified Voice Message solution on the system, features such as Personal Mailbox, Group (Company) Mailbox, Customised Time of Day Greeting and Message Notification are supported.

Virtual 24 Hour Receptionist Automated Attendant

Using the Message Card, you can easily set up an auto attendant to professionally handle all incoming customer calls to your business. An Auto Attendant can drastically reduce the amount of call traffic handled by the operator - allowing the operator to spend more time with your new or important customers.

The Auto Attendant can also answer multiple calls simultaneously, providing different greetings for different departments.

Advanced Messaging for Improved Customer Service

Using the advanced KX-TVM Messaging Solution – each extension can be assigned its own personal mailbox that can be contacted any time of day or night. If a caller leaves a Voice Message for a user, the extension user is notified by a message-waiting lamp available on proprietary telephones or can be additionally notified via an email with Voice Message attached sent to the user's personal computer.

Incoming call information is also recorded with the message and is displayed on the telephone. This information includes caller's telephone number, time of call and length of call.

With the advanced KX-TVM messaging solution, an incoming message that arrives while someone is out of the office will generate a notice automatically to her or his GSM phone and people can check their messages at appropriate times. The advanced KX-TVM messaging solution also supports 2-Way recording. It lets you confirm the contents of the phone call later, so messages are accurately relayed or record conversations in their entirety, for use as examples of proper telephone communication by experienced staff when training new employees.

Have you ever had an important customer on the phone and needed to walk away from your desk? Panasonic Wireless DECT connectivity is here to help. The Panasonic KX-TDA Hybrid IP-PBX system lets you simply continue your current conversation over a lightweight, business smart wireless telephone while you are away from your desk or moving around the office. Because the system is digital, the speech comes through loud and clear.

DECT Mobility

The system allows wireless communication over an extended range by using multiple cell stations that boost the flexibility and mobility of your wireless handset. Using the Wireless XDP, you can set your wireless telephone to have the same extensions as your desk phone and then receive calls even when away from the desk. You are always there, ready to receive your customers' calls and make the most of every business opportunity that comes along.

Greater Flexibility with Wireless Connectivity

Panasonic Wireless DECT telephones will allow staff to stay connected even while away from their desk, providing increased productivity – and never keep a customer waiting.

Hot-Desking for Roaming Employees

Hot-Desking, enabled via 'Walking Extension' feature on Panasonic KX-TDA Hybrid IP-PBX, empowers your staff who work from different locations or departments within your office to move between different desks themselves – reducing the cost of moves, adds and changes.

Users can move desks or offices and be reached on their same number as well as transfer their own profiles and access to such features as access to voicemail, speed dials and pre-programmed functions by logging in to any unused desk phone with a pre-programmed ID number. Hot-Desking is a simple and effective solution that keeps all your staff in touch and in control of their communications.

Efficiency You Can Appreciate

Our versatile solutions will bring a wide range of benefits to your company. IP and Wireless technologies provides you with freedom of mobility so you can initiate or respond to important calls from anywhere in your office and the messaging solution adds value to virtually all your services.

Advanced call centre functions improve communication efficiency and allow you to serve customers more effectively. The system makes it easy to distribute calls, manage your telephone agents and control office use of the telephone system. Compatible with the CTI standard protocols, TAPI and CSTA, the Panasonic KX-TDA Hybrid IP-PBX can serve as the core of a powerful, high value added CTI.

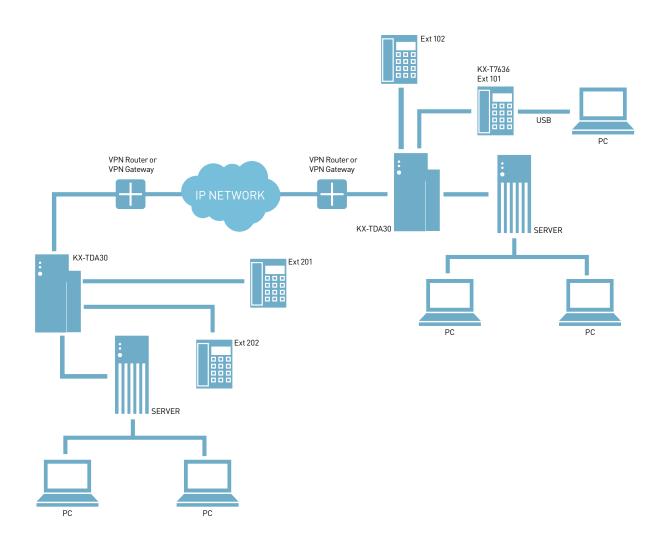KX-TCA155AL   KX-TCA255AL

KX-TCA155AL and KX-TCA255AL

Features

- 6-line, Blue LCD Backlight
- Illuminated Keypad
- Multiple Language Display
- Speakerphone
- Programmable Soft Keys
- PBX Functionality Support
- 200 Entry Phonebook
- Headset Compatible
- 9 Polyphonic Ringer Melodies and 6 Ringing Patterns
- Vibrate Alert*
- Meeting Mode*

* KX-TCA255AL Only

VOICE AND DATA CONVERGENCE

IP network infrastructure, which already exists in the majority of companies, can now carry voice along with data. Designed to support convergence through a modular structure, the system allows a harmonious migration towards VoIP, allowing voice and data communication to work within the same network.

Voice Over IP (VoIP)

VoIP is the latest proven technology for voice communications where packets of digitally compressed voice are sent over IP data networks. These packets are converted back to voice once they reach the destination.

By utilising existing data networks, VoIP can bypass PSTN and therefore avoid all costs associated with

PSTN calls no matter how far the distance and how long the conversation. In addition, VoIP also allows for more advanced telephony solutions and applications.

VoIP Gateway Card

The VoIP Gateway Card makes it possible for you to use VoIP technology with your present telephone handsets and utilise your company's corporate data network without the need for separate, dedicated leased lines. It is an ideal solution for site-to-site communications between multi-site offices and retail chains - as well as for networking branch offices allowing for a flexible working environment and lower costs.

Hybrid IP-PBX and Desktop PC Integration

With the Desktop PC Phone software, you can also integrate your Panasonic KX-TDA Hybrid IP-PBX system with the database on your desktop PC, giving you a powerful Customer Relationship Management (CRM) support tool and improved call handling.

Selective or Automatic Call Recording, Intelligent TAM, as well as Microsoft Outlook Synchronisation are just a few of the exceptional features that can provide enhanced added functionality to telephony power-users in your company.

For the majority of businesses, personal contact with the customer is a significant factor for success. The telephone system is at the heart of all communications – no matter how the communication is conveyed (via IP, by traditional telephony or by employing wireless technology). What is crucial for businesses is the quality and reliability. Panasonic provides a wide variety of solutions to cover any individual requirements.

Retail

Medical

Customer Services

Hospitality

Legal

Health Services

Sales

Logistics

SYSTEM CAPACITY MAXIMUM CONFIGURATION

The Hybrid IP-PBX supports the following configuration.

Line Type	Maximum Number	
Trunk Line	12	8
VoIP Line	4	4
Extension (except DXDP)	24	28
Extension (DXDP)	20	24

SPECIFICATIONS

		KX-TDA30AL
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	
	Paging Output	
	External (Music on Hold) output	
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, SEMKO, GS
Dimensions (H x W x D)		275 x 376 x 117mm
Weight (full mounted)		3.5kg

SYSTEM CAPACITY MAXIMUM TERMINAL EQUIPMENT

Terminal Equipment Type	Without Additional AC Adapter	With Additional AC Adapter	
	Without MEC Card	Without MEC Card	With MEC Card
SLT	24	24	
KX-T7600 series DPT/DSS console, and KX-T7560/KX-T7565 DPTSLT	Total 24	Total 24	Total 48
KX-T7600 series DPT	24	24	48
KX-T7600 series DSS console	4	4	
KX-T7560/KX-T7565 DPT	24	24	
Other DPT / DSS console and APT	Total 4	Total 24	
Other DPT	4	24	
Other DSS console	4	4	
APT	4	4	
DSS Console	4	4	
Cell Station	4	8	
Wireless Telephone	28	28	
Voice Processing System	1 System*[1]	1 System*[1]	
SLT, PT, DSS console, and VPS	Total 28	Total 28	Total 52
PC-Console	2	2	
PC-Phone	24*[2]	24*[2]	
Door Opener	4	4	
Doorphone	4	4	
External Sensor	4	4	
External Relay	4	4	
Add-on Key Module	Total 24	Total 24	48
USB Module	Total 24	Total 24	24

*[1] A maximum of 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

		KX-TDA30AL
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 levels
	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
	(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
	(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

OPTIONS LIST

Model	Description	Maximum Qty
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 (LCOT4)	3
KX-TDA3182	3-Port DID Card (DID3)	2
KX-TDA3183	2-Port Analogue Trunk Card (LCOT2)	3
KX-TDA3193	4-Port Caller ID Card (CID4)	3
KX-TDA3280	2-Port BRI Card (BRI2)	3
KX-TDA3283	1-Port BRI Card (BRI1)	3
KX-TDA3480	4-Channel VoIP Gateway Card (IP-GW4)	1
KX-TDA3105	Memory Expansion Card (MEC)	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-TDA3192	2-Channel Simplified Voice Message (SVM) Card	2
KX-TDA3196	Remote Card (RMT)	1
KX-TDA3920	SD Memory Card for Software Upgrade to Enhanced Version	1
KX-TDA0141CE	2-Channel Cell Station Unit for DECT Portable Station	+
KX-A236	Additional AC Adaptor	1
KX-A228	S/M-type Back-up Battery Cable	1
KX-TDA0300	PC Condole Software	+
KX-TDA0350	PC Phone Software	+
KX-T30865	Doorphone	4

+ Please refer to System Capacity Maximum Terminal Equipment Table.

DIGITAL TELEPHONES

		KX-T7636AL	KX-T7633AL	KX-T7630AL	KX-T7625AL
Type		Digital Telephone	Digital Telephone	Digital Telephone	Digital Telephone
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
	Display-Contrast Adjustment	4 Levels	4 Levels	4 Levels	-
	Backlit	√	√	-	-
	Feature Access Keys for Display	4	4	4	-
Keys Audio	Programmable CO Keys with Dual-Colour LED	24 (36*)	24 (36*)	24	24
	Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	√ **	√ **	√ **	√ **
	Navigator Key	√	√	√	-
	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	√	√	√	√
Colours	White	Yes	Yes	Yes	Yes
	Black	Yes	No	Yes	No

DIGITAL TELEPHONES AND EXPANSION UNITS

		KX-T7667AL	KX-T7665AL	KX-T7603AL	KX-T7640AL
Type		Digital Telephone	Digital Telephone	Expansion Unit	Expansion Unit
Display	Alphanumeric Display (Lines x Characters)	1 x 16	1 x 16	-	-
	Tilt-Angle Adjustment	2	2	4 Steps	4 Steps
	Display-Contrast Adjustment	3	3	-	-
	Backlit	-	-	-	-
	Feature Access Keys for Display	-	-	-	-
Keys Audio	Programmable CO Keys with Dual-Colour LED	12	8	12	-
	Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	Yes	Yes	√ **	60
	Navigator Key	Yes	-	-	-
	Message/Ringer Lamp	Yes	Yes	-	-
Audio	Speaker-Phone (Monitor) Volume Control	12	12	-	-
	Handset Volume Control	4	4	-	-
	Ringer Volume Control	4	4	-	-
	Off-Hook Call Announcement (OHCA)	-	-	-	-
	Whisper OHCA	Yes	Yes	-	-
Connection	USB Module (KX-T7601) Connectable	-	-	-	-
	Digital eXtra Device Port (DXDP)	-	Yes	-	-
	Optional Headset (KX-TCA89) Compatible	Yes	-	-	-
Others	Station Speed Dial Numbers	10	10	-	-
	Wall Mount	Yes	Yes	√	√
Colours	White	Yes	Yes	Yes	Yes
	Black	Yes	Yes	Yes	Yes

* 36 programmable keys are available when the optional 12 programmable add-on module (KX-T7603AL) is selected.
** Can be assigned to programmable key.

System Features

- Automatic Fax Transfer
- Automatic ISDN Setting (BRI)
- Automatic Route Selection (ARS)/ Least Cost Routing (LCR)
- Background Music (BGM)
- Budget Management
- Busy on Busy
- CTI (CSTA,TAPI)
- 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
- External Relay Control
- External Sensor
- 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
- Simplified Voice Message (SVM)
- 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
- Call Forwarding to VM
- Caller's Identification Notification
- Intercept Routing to VM
- Live Call Screening (LCS)
- Remote PBX Data Control by
- VM (Digital/DTMF) Integration
- VM Mail Transfer
- VM Menu on the LCD[*1] (KX-T7636/T7633 only)

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)
- Dial Type Selection
- Digital Duplex SP-phone
- 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
- 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)

DECT Features

- Automatic Handover
- Headset Compatibility
- Incoming & Outgoing Call Log
- Wireless XDP Parallel Mode
- Vibrator Ring (KX-TCA255 only)

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)
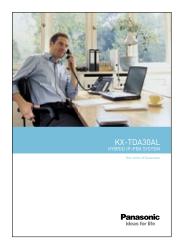- VoIP Network (Built-in IP-GW)

Hospitality Features

- Guest Check-in/Check-out
- Remote Wake-up Call
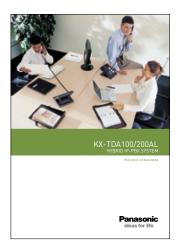- Room Status Control
- SMDR for External Hotel Application

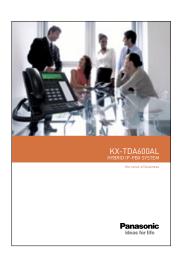DPT : Digital Proprietary Telephone
APT : Analogue Proprietary Telephone
SLT : Single Line Telephone
*1 When the KX-TDA Hybrid IP-PBX is integrated with KX-TVM Voice Processing System Feature List 9
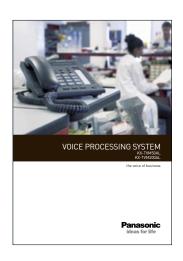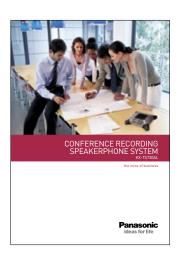
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KX-TDA30AL
HYBRID IP-PBX SYSTEM
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KX-TDA100/200AL
HYBRID IP-PBX SYSTEM
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KX-TDA600AL
HYBRID IP-PBX SYSTEM
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MULTI CELL DECT SYSTEM
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VOICE PROCESSING SYSTEM
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KX-TVM200AL
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CONFERENCE RECORDING
SPEAKERPHONE SYSTEM
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