Panasonic
ideas for life

KX-TDA15 KX-TDA30
Version 2

Factories | Corporate | Branch Offices | SOHO | Retailers | Restaurants

The networked system
that maximises your business
performance in an age
of convergence

Panasonic Hybrid IP PBX
An Intelligent Solution for Your Business Communication Needs

Panasonic's Hybrid IP PBX system is a powerful communications tool designed to support businesses in today's Converged Networking age.
Reflecting on Panasonic's 20 years as a leader in the field, the Hybrid IP PBX system merges PBX functions and reliability with IP technology. The result is a high-performance business communication system that provides advanced telephone and messaging solutions, efficient and flexible communications, DECT 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 operations, the Hybrid IP PBX system is easy to use, even for people without much experience with IP technology.
The Internet and broadband technologies have revolutionised the business world of today. Panasonic's Hybrid IP PBX system 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, efficient and easy to use.
The phones feature an ID display of up to 24 characters a large easy-to-read 6-line back-lit display, an easy-to-view Message/Ringer Lamp, Navigator Keys for quick and easy operation,
4-step angle adjustment for greater flexibility, and a USB terminal that provides easy plug-n-play connection to a PC.

Future-Ready Design

The Hybrid IP PBX is a communications tool your business can grow with. This highly upgradable unit comes ready for use with IP Phones, IP Cameras, and other new devices coming to market in the near future.

Cost-Cutting Performance

Panasonic has leveraged leading edge telecom networking and IP technologies in the Hybrid IP PBX. Customers can reap the business benefits of these technologies to achieve low-cost, easy, and reliable inter-office multi-site voice solutions based on most inexpensive calling routes.

- QSIG*
- Voice over Internet Protocol (VoIP)
- Least Cost Routing (LCR)

* QSIG is an industry-standard digital networking protocol.

Efficiency That You Will Appreciate

Our versatile solutions bring a wide range of benefits to your company. Wireless equipment allows you freedom of mobility so you can initiate or respond to important calls from anywhere in your office, while 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 Hybrid IP PBX makes it easy to distribute calls, manage your telephone agents, and control office use of the phone system. Compatible with Computer Telephony standard protocols, TAPI and CSTA, the Panasonic Hybrid IP PBX can serve as the core of a powerful, high-value-added Computer Telephony Integration (CTI) system.

An Affordable System that Adds Value to Your Business

The new Messaging Features offer greater flexibility. If short of staff, you can handle calls with the Automated Attendant Service. You can upgrade to Unified Messaging using CTI technology that can combine 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. If you combine the system 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.

Reliability

The reliability of Panasonic's Hybrid IP PBX system is assured by rigorous quality control and testing before it leaves the factory, guaranteeing you piece of mind. The Hybrid IP PBX is also designed for quick and easy maintenance to keep system downtime to an absolute minimum. You can change or add modules without shutting down the system.

Higher Productivity, Greater Customer Satisfaction

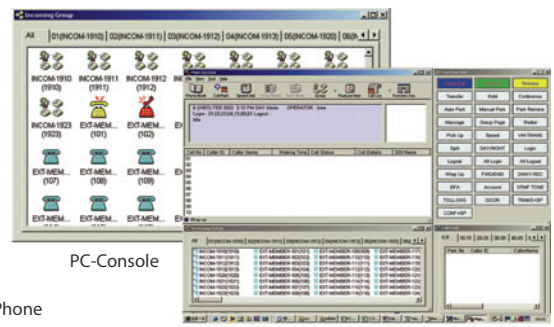
Desktop PC Integration improves call handling and provides added functionality for power users.
A 'snap-in' USB port module makes it easy to connect a Panasonic digital telephone to your desktop or laptop computer.

User Productivity
Using PC Phone software, you can 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.

Attendant Productivity
Productivity is further improved by the PC Console software application, which gives 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.

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

Plug-n-play connection via USB terminal to your PC offers an easy CTI 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

Features to Support and Help Your Business Grow

1 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.

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

2 Headset Jack for Hands-Free Convenience

KX-T7636 with KX-T7603

- 6-Line Back-lit Display, 24-Programmable Keys, and a Speakerphone
- Optional 12-Programmable Keys and USB port

3 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 -- green for an internal extension line, flashing red for an outside line, and constant red to indicate that a caller has left a message.

5 Time-Saving, Easy-to-Use Navigator Keys

4 Digital Duplex Speakerphone for clear hands free operation

6 Programmable Keys with Red/Green LED

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

Use the XDP port to add an analogue phone, cordless phone, or other single-line device to your extension phone, 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 port, you can download data from your PC or access the Internet while talking. The DXDP port allows you to add a second digital telephone to your extension. This increases your system capacity without the need for additional extension cards and wiring.

Multi-language Capability

The Hybrid IP PBX accommodates up to five different languages for use in geographic 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.

KX-T7633
- 3-Line Back-lit Display, 24-Programmable Keys, and a Speakerphone
- Optional 12-Programmable Keys and USB port

KX-T7630
- 3-Line Display, 24-Programmable Keys, and a Speakerphone

KX-T7665
- 1-Line Display, 8-Programmable Keys, and a Speakerphone

KX-T7640
- Digital DSS Console (60 DSS)

KX-T7600 Series are available in both Black and White

Ergonomic-Design, 4 Tilt-Angle Adjustmer

Digital Telephones Specifications

		KX-T7636	KX-T7633	KX-T7630	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	2 Steps
	Display-Contrast Adjustment	4 Levels	4 Levels	4 Levels	3 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	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
	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 Programmable CO Key.

Digital Telephones Additional Options

KX-T7640	KX-T7603	KX-T7601
DSS Console. 60 Programmable keys with Busy Lamp Field. Compatible with KX-T7636, KX-T7633 and KX-T7630 models.	Additional 12 Programmable keys module with Dual-Colour LED's. KX-T7636 and KX-T7633 only.	USB Interface card. Enables connection between Telephone and PC for CTI software. KX-T7636 and KX-T7633 only.

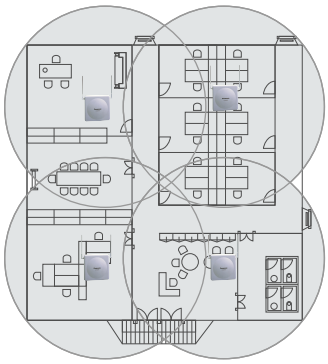
Alphanumeric Display

Easy-to-Read Back-lit Display

More Freedom, Greater Clarity

Have an important customer on the phone and need to walk away from your desk to attend a very important meeting as well? Panasonic Wireless DECT connectivity is here to help. The Panasonic Hybrid IP PBX system lets you simply continue your current conversation over a lightweight, business-smart wireless telephone as you talk with an important customer while going to your desk or moving around the office. Because the system is digital, the voice comes through loud and clear.

The KX-TDA Hybrid IP PBX 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 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

KX-TCA155

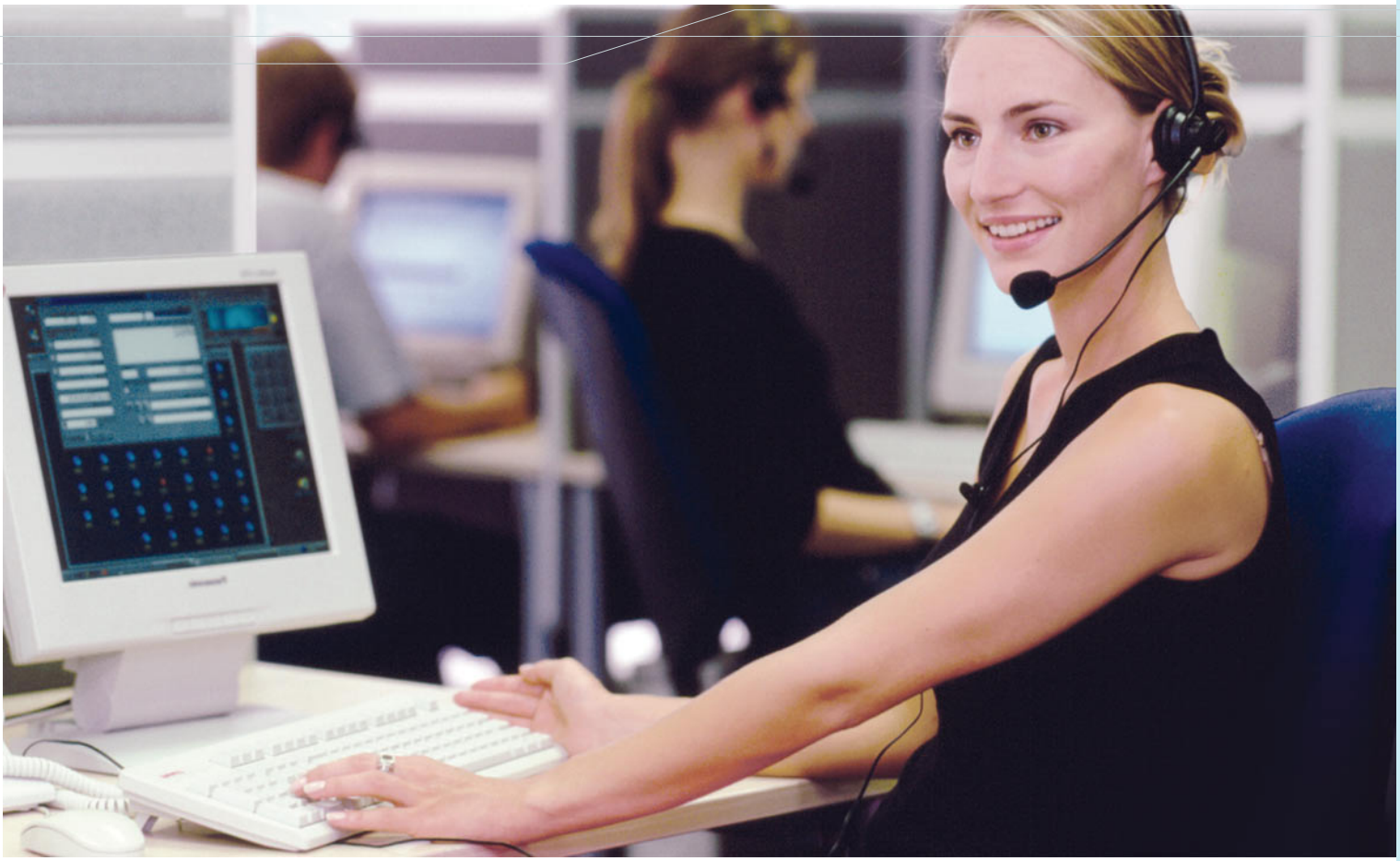
▼Actual Size

KX-TCA255

Available DECT Cell Stations

KX-TDA0141
2 Channel DECT Cell Station
Enables 2 simultaneous calls to be made to Wireless Handsets

KX-A272
2 Channel DECT Cell Station Repeater
boosts the range of the Cell Station



Superior Call-Handling Efficiency

With its intelligent call-handling functions, the Panasonic KX-TDA Hybrid IP PBX system can serve as the core of a contact centre that efficiently and intelligently handles all customer calls. Use the Hybrid IP PBX to automatically distribute incoming calls as desired and set the system to direct callers to an appropriate group or multiple groups simultaneously for efficient call handling.

Other features that help ensure greater customer satisfaction and prevent missed business opportunities are:

- VIP Call
- Automated Attendant
- Queuing
- Overflow extensions
- Day, Lunch, Break, and Night modes

- Call Centre Features

The Hybrid IP PBX supports certain powerful call centre features that address both agent and supervisor business needs:

- Agent Log-in ID
- Agent Log-in/Log-out
- Automatic Log out (if consecutive calls remain unanswered)
- Wrap-up time
- Not Ready
- Walking extensions ("Hot Desking")

- Supervisor Level Monitoring and Reporting

An extension can also be designated for use by a call centre supervisor, allowing him access to various information about incoming calls to each group like - number of calls in queue, longest queuing time, etc. A supervisor also can check the log-in/log-out status, and monitor the status of group members. This information can be displayed via an LCD report, print-out or by DSS key indication.

- Call Distribution Types

The system provides a variety of call distribution patterns. These call patterns can help you manage your customer calls more efficiently:

- Uniform Call Distribution (UCD),
- Simultaneous Ringing
- Priority Hunting

Keeping Telephone Costs Down

VoIP Technology and Networking
The Hybrid IP PBX can serve as the core of an inexpensive, easy-to-use interoffice networking system. Facilities available with the KX-TDA system - such as E&M leased lines, QSIG, and Voice-over Internet Protocol (VoIP) - can help reduce costs while providing reliable site-to-site networking both within the company and outside.

Voice-over Internet Protocol (VoIP)

VoIP is the latest proven technology for voice communications where packets of digitally compressed voice are sent over IP data network, where it gets converted back to voice once it reaches the destination. By leveraging existing data networks, VOIP bypasses the PSTN and therefore bypasses all costs associated with PSTN calls no matter how long the conversation. In addition, VOIP also allows for more advanced telephony solutions and applications.

VOIP is an ideal solution for site-to-site communications between multi-site offices and retail chains - as well as for networking branch office and remote office employees, small office/home office (SOHO) workers, and home sales personnel, allowing for flexible working environment and lowering cost.

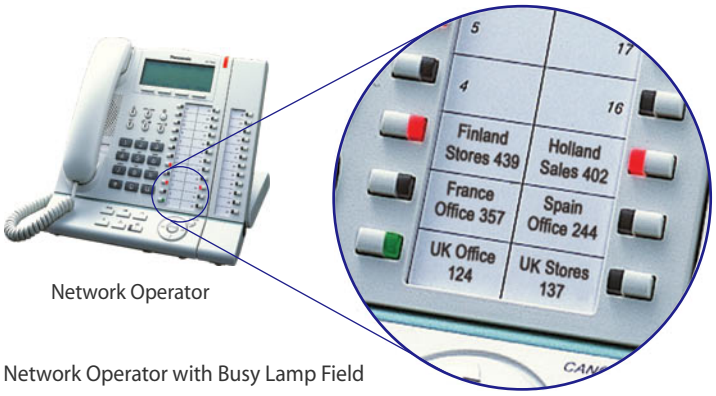
Centralised Busy Lamp Field (BLF)

Centralised Busy Lamp Field buttons are supported over both ISDN or Voice-over-IP networked Hybrid IP PBX. A central operator can view the status of selected networked extensions using DSS keys which light red when an extension is in use.

QSIG Networking

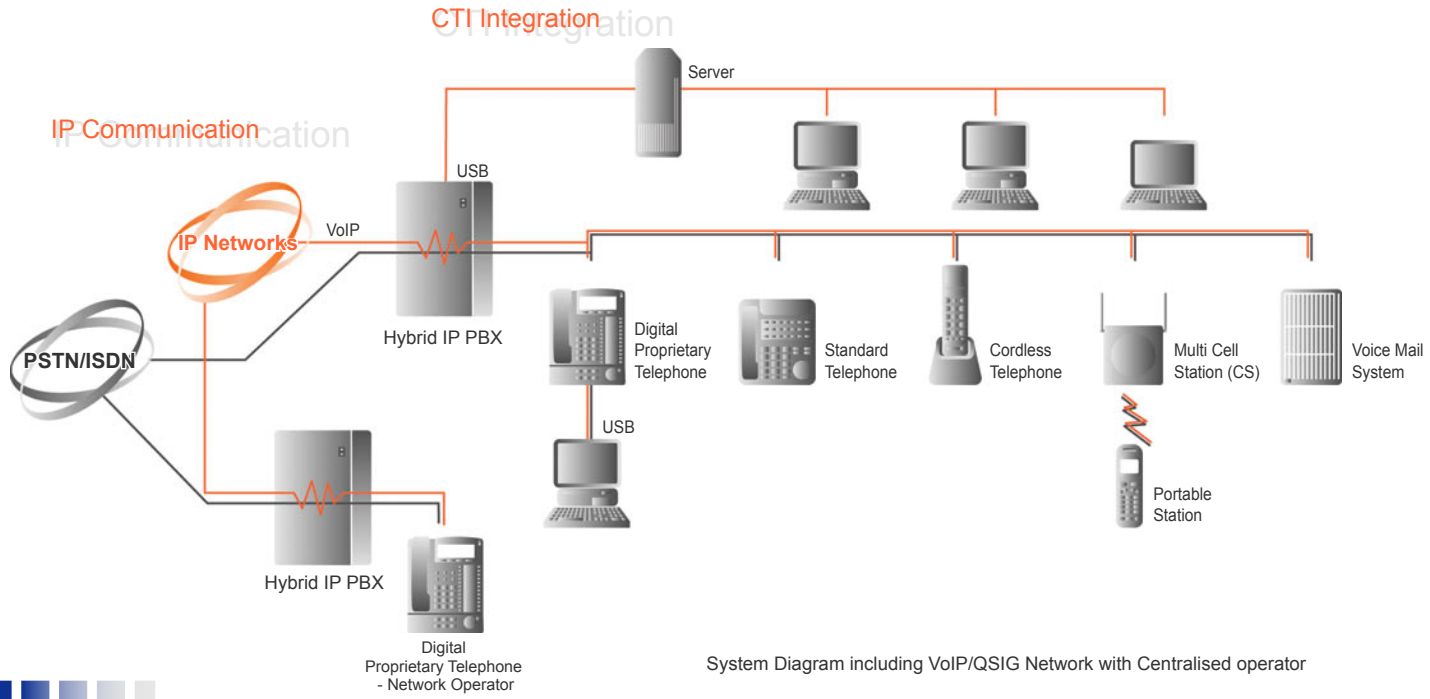
Supporting the industry standard ISDN QSIG protocol, the KX-TDA Hybrid IP PBX allows you to interconnect multiple PBX locations to help modularly build a large, effectively seamless virtual telephone system, creating a Voice Virtual Private Network (VPN), as well as giving you access to more advanced networking features like direct extension to extension dialling between PBXs, Caller ID of PSTN calls and Incoming Call Distribution group call handling across the QSIG network.

Using QSIG, customers can add the KX-TDA PBXs in all the branch offices while still maintaining a legacy PBX in the corporate Main Office.



Network Operator

Network Operator with Busy Lamp Field



System Diagram including VoIP/QSIG Network with Centralised operator

Hospitality

This KX-TDA Hybrid IP PBX has several built-in features that support its use in a hotel or hotel-like environment, where extensions correspond to guest rooms.

- Check-in/Check-out - room status control
  The hotel operator extension can be used to view and change the check-in and check-out status of guest rooms. Flexible buttons on the hotel operator's extension can be set as Room Status Control buttons. Two buttons are available:
  • Check-in - Guests are checked-in, Telephone charges are cleared and Remote Extension Lock is turned off, allowing calls to be made by the guest from the room extension.
  • Check-out - Guests are checked-out and Extension data, such as Timed Reminder or Last Number Redial data, is cleared, and Remote Extension Lock is turned on - preventing calls.
  When a guest has checked-in, the DSS key LED corresponding to the guests room will light RED. It will turn off when checked-out.

- Remote Wake-up call set via dialling
  A Hotel receptionist can set a timed reminder by using the Telephone push buttons. The guest will receive a reminder at the programmed time, on their rooms extension.

- Voice Mail Delete on Check-out
  Guests extension messages are automatically deleted when a guest has checked-out.

- Telephone charge printout on Check-out
  The SMDR (Station Message Detail Recording) prints the following information:
  - Room Check-in/Check-out
  - Timed Reminder Start/Answer/No Answer
  - Incoming/Outgoing Trunk
  - Dialled number
  - Call Duration
  - Account code entry

  Another SMDR feature is programmable Message Print-out. This feature allows messages to be stored in a printing message area and accessed via the operator extension. The selected message will be printed on the SMDR.

  Separately from standard SMDR, a record of all calls made from a guest room can be printed out. Charge items, including room mini bar, a preset profit margin, and tax can be added to the bill.

For all Hospitality features, TDA30 requires Memory Expansion Card
*Not available for TDA15

Built-in Voice Message Card

Installing an optional Simplified Voice Message (SVM) card in the PBX allows the PBX to provide extensions with answering machine features.
An extension user can record a personal greeting message to greet an incoming call and ask the caller to leave a voice message. The user can also play back and clear greeting messages and the voice messages left by callers.

Up to two SVM cards can be installed in both the TDA15 and TDA30 PBX. The SVM card has two channels, allowing two users to access a single card at the same time.
When an extension is assigned to an SVM card through system programming, a message box is created for that extension. This message box is used to store greeting messages and voice messages for that extension. Each Proprietary Telephone (PT), Single Line Telephone (SLT), and Portable Station (PS) can be assigned its own message box.

The SVM card has the following available features:
- SVM Extension number can be set as Call Forward and Intercept Routing Destination
- Greeting Messages can be recorded for each Time Mode (Day/Night/Lunch/Break)
- Message Notification via message waiting lamp on Proprietary Telephone or change in Dial Tone on Single Line Telephones.
- Callers details are recorded and displayed on Proprietary Telephone Display
- Messages are replayed in order of oldest message first
- Remote mailbox access from outside line
- Remote mailbox access from different extension

Up to 125 messages with a maximum total recording time of 60 minutes can be recorded per card. This space is shared between the message boxes of all extensions assigned to that card. The recording quality and the recording time can be selected through system programming:

Recording Quality	Recording Time
High	Approx: 40 Minutes
Middle (default)	Approx: 60 Minutes
Low	Approx: 120 Minutes

System Capacity

		KX-TDA15	KX-TDA30	KX-TDA30 with Memory Expansion Card (KX-TDA3105)
Max. Total Port (Extension+Trunk)		28	36	60
Max. Trunk Port		8	12	12
	Analogue Trunk	2	12	12
	ISDN Trunk	8-ch	12-ch	12-ch
	Max. IP Gateway	1 (4ch)	1 (4ch)	1 (4ch)
Max. Extension Port		20	28	52
	Analogue Proprietary Telephone	4	4	4
	Single Line Telephone	12	24	24
	Digital Proprietary Telephone (except for KX-T7600 series and KX-T7560/7565)	4	24	24
	Digital Proprietary Telephone (T7600 series)	16	24	48
	KX-T7560/7565	12	24	24
	DSS Console	4	4	4
	Cell Station	2	8	8
	Voice Processing System	1 System*1	1 System*1	1 System*1
Wireless Telephone		28	28	28
PC-Console		2	2	2
PC-Phone		12*2	24*2	24*2
Door Opener		4	4	4
Doorphone		4	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.

Specifications

		KX-TDA15 / KX-TDA30
Dialling	Trunk	Dial Pulse (DP) 10pps, 20pps / Tone (DTMF) Dialling
	Extension	
Switching		Non-blocking
		Distributed TSW
Connections	Trunk	RJ45 connector
	Extension	RJ45 connector
	Paging Output	2-conductor jack (MINI JACK 3.5mm 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, SEMKO-GS, CE
Dimensions (W x H x D)		275 x 376 x 117mm
Weight (full mounted)		3.5kg

Option List

	Model		Description	Maximum TDA15	Maximum TDA30
Main Board Option Cards	Daughter cards for KX-TDA30 Main Board	KX-TDA3105	Memory Expansion Card (MEC)	n/a	1
		KX-TDA3196	Remote Card (RMT)	n/a	1
Trunk Cards	KX-TDA3180		4-Port Analogue Trunk Card (LCOT4)	n/a	3
	Daughter card for KX-TDA3180	KX-TDA3193	4-Port Caller ID Card (CID4)	n/a	3
	KX-TDA3183		2-Port Analogue Trunk Card (LCOT2)	1	3
	KX-TDA3280		2-Port BRI Card (BRI2)	1	3
	KX-TDA3283		1-Port BRI Card (BRI1)	1	n/a
	KX-TDA3480		4-Channel VoIP Card (IP-GW4)	1	1
Extension Cards	KX-TDA3171		4-Port Digital Extension Card (DLC4)	n/a	1
	KX-TDA3172		8-Port Digital Extension Card (DLC8)	1	2
	KX-TDA3173		4-Port Single Line Telephone Extension Card (SLC4)	n/a	1
	KX-TDA3174		8-Port Single Line Telephone Extension Card (SLC8)	1	2
Option Cards	KX-TDA3161		4-Port Doorphone and External Input / Output Card (DPH4)	1	1
	KX-TDA3162		2-Port Doorphone and External Input / Output Card (for German Type)	1	1
	KX-TDA3166		8-Channel Echo Canceller Card (ECHO8)	1	1
	KX-TDA3168		Extension Caller ID Card (EXT-CID)	Preinstalled	1
	KX-TDA3191		2-Channel Message Card (MSG2)	2	2
	KX-TDA3192		2-Channel Simple Voice Message Card (SVM)	2	2
DECT Options	KX-TDA0141		2-Channel Cell Station for DHLC / DLC Card	2	8
	KX-A272		2-Channel DECT Cell Station Repeater	6 per base	6 per base
Additional Accessories	KX-TDA3820		SD Card - Standard feature Upgrades	1	1
	KX-TDA3920		SD Card - Enhanced feature Upgrades	1	1
	KX-A244		19" Rack Mounting Bracket	1	1
	KX-A236		Optional AC Adaptor and AC Cord	n/a	1
	KX-A228		Battery Back-Up Cable	n/a	1
	KX-T30865		Doorphone	4	4
	KX-A286		KX-TCA255 Transparent Front Carry Case		
	KX-A287		KX-TCA255 Leather Belt Clip Carry Case		
	KX-A288		KX-TCA155 Transparent Front Carry Case		
CTI	KX-TDA0300		PC Console Operator Software with system directory entry capabilities	2	2
	KX-TDA0350		PC Phone 1st Party CTI Software	12	24

System Feature Capacity

			KX-TDA15 and KX-TDA30
System	Tenant (Time Table Group)		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)*1
	Personal Speed Dialling		32 digits (10 entry/extension)*2
	One-Touch Dialling		32 digits
	Hot Line		32 digits
	ISDN Service Access		32 digits
	Redial		32 digits
ARS	Routing Plan		16 entries
	Leading Digits		16 digits (1000 entries)
	Leading Digit Exception		16 digits (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 DPT)	Default 5 log/Ext. Programmable: 0~100 log/Ext (Total 260/System)
		(for DECT PS)	Default 5 log/Ext. Programmable: 0~100 log/Ext (Total 140/System)
	Incoming Call Log	(for DPT)	Default 10 log/Ext. Programmable: 0~100 log/Ext (Total 520/System)
		(for DECT PS)	Default 10 log/Ext. Programmable: 0~100 log/Ext (Total 280/System)
		(for ICD Group)	Default 10 log/Ext. Programmable: 0~100 log/Ext (Total 640/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

*1 32 digits (1000 entries/Tennant) when KX-TDA3105 Memory Expansion Card is installed.
*2 32 digits (100 entry/extension) when KX-TDA3105 Memory Expansion Card is installed.
Note: KX-TDA3105 is only available for KX-TDA30.

KX-TDA15

KX-TDA30

DECT Portable Handset Specifications

		KX-TCA255	KX-TCA155
Liquid Crystal Display (LCD)		6 x 16 Lines	6 x 16 Lines
Back Light		Blue	Blue
Multiple Language Display		16 (Fixed)	16 (Fixed)
Illuminated Keypad		Yes (Green)	Yes (Green)
Headset Compatible		Yes	Yes
Phonebook		200	200
Redial		Last 5 Numbers	Last 5 Numbers
Caller ID Compatibility		Yes	Yes
Call Log[1]	Incoming Call	10	10
	Outgoing call	5	5
Soft Keys		3	3
Programmable Menu Flexible Keys		12	3
Speakerphone		Yes	Yes
Ringer LED		3 Colours	3 Colours
Ringer Melodies		9	9
Vibrate Ring		Yes	-
Any-key Answer		Yes	Yes
Dimensions (LxWxD)(mm)		120x45x22	143x48x31.5
Weight		112 g	130 g
Battery Type		Ni-MH (Proprietary)	Ni-MH (AAA[2])
Battery Talk Time		17 hours	10 hours
Battery Standby Time		270 hours	120 hours
Battery Charge Time		5.5 hours	7 hours

[1] The number of default settings. When connected to KX-TDA PBX
[2] Rechargeable Ni-MH compatible

Feature List

System Features

- Automatic Fax Transfer
- Automatic ISDN Setting (BRI)
- Automatic Route Selection (ARS)/ Least Cost Routing (LCR)
- Background Music (BGM)
- Battery Back-up*
- 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
- 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)
- System Memory Expansion*
- Tenant Service (Time Table Group)
- 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)
- Telephone Display, Menu driven VM operation
- Remote PBX Data Control by VM
- VM Data Control by PBX
- VM Transfer Recall (VM Queuing function)
- VM (Digital/DTMF) Integration
- VM Group
- VM Mail Transfer

Extension Features

- 4-Party Conference with Broadcast up to 32-Party*
- Absent Message
- Account Code Entry (Forced)
- Automatic Callback Busy
- Automatic Pause Insertion
- Automatic Redial
- Boss - Secretary
- Broadcasting*
- 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 eXtra Device Port (XDP)
- Direct One-Touch Answering
- Do Not Disturb (DND), DND Override
- Direct Station Select (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
- Message Waiting with Text Message
- 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
- DECT Cell Station on Digital Extension Port
- Headset Compatibility
- Incoming & Outgoing Call Log
- Telephone Display control via CTI**
- 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 3 Party Conference
- ISDN Call Forward (CFU/CFNR/CFB)
- ISDN Call Transfer (CT)
- ISDN Extension
- Malicious Call Identification (MCID)
- Multiple Subscriber Numbers (MSN)

Networking Features

- Alternated Routing
- ARS with VoIP
- Busy Lamp Field**
- Call Log (Public Call through Private Network)
- Closed Numbering
- DISA Call to the Network
- Private Network to Public Network
- Public Network to Private Network
- QSIG Connection
- 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
PS : Portable Station

* KX-TDA30 only
**Requires additional Software

Panasonic®

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