

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 Maximises Your Business Performance in an Age of Convergence*

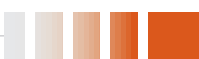
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Creating an Intelligent Communications Environment



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, 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 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.



■ Digital-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 Backlit 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 | ✓ | ✓ | - | - | - | - |
| Keys Audio | Feature Access Keys for Display | 4 | 4 | 4 | - | - | - |
| | 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 | ✓ | ✓ | ✓ | - | - | - |
| Audio | Message / Ringer Lamp | ✓ | ✓ | ✓ | ✓ | - | - |
| | 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 DECT 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



- 16 x 6 Lines LCD
 - Graphical PBX Feature Menu for Easy Access
 - Automatic Hand-over for Seamless Connection
 - Automatic Answer
 - Optional Headset for Hands-Free Conversation
 - Incoming Call Indication by Vibration*
 - Customised Caller ID
 - Blue LCD Backlight
 - Illuminated Keypad
 - 32-Polyphonic Ring Tones
 - 9 Ringer Melodies and 6 Ringers
 - 200-Station Phonebook
 - Call Log
- * KX-TCA255 only



KX-TCA255
Compact Business Model

KX-TCA155
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.





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 (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)
- 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

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)

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

