Specifications

KX-TDA

Specifications
Hybrid IP PBX System KX-TDA15/KX-TDA30/KX-TDA100/KX-TDA200

The Hybrid IP-PBX Offers the Ultimate Voice and Data Solution.

Central Control Units
CCU’s can be fitted inside 19” rack

Digital Proprietary Telephones

- **KX-T7636**
  - Full duplex speakerphone,
  - 6-Line Back-lit display and
  - 24-Line Keys
  - Optional 12-Line Keys and USB port* are available.

- **KX-T7633**
  - Full duplex speakerphone,
  - 3-Line Back-lit display and
  - 24-Line Keys
  - Optional 12-Line Keys and USB port* are available.

- **KX-T7630**
  - Full duplex speakerphone,
  - 3-Line Display
  - and 24-Line Keys

- **KX-T7625**
  - Full duplex speakerphone
  - and 24-Line Keys

- **KX-T7665**
  - Speakerphone,
  - 1-Line LCD and
  - 8 line keys

- **KX-T7640**
  - Digital DSS Console
  - 60 DSS

- **KX-T7603**
  - Add on module
  - 12 line keys

*USB Module Card (KX-T7601) can be built into the DPT.
Black models are also available.

Digital Proprietary Telephones
- **KX-T7436**
- **KX-T7431**
- **KX-T7420**
- **KX-T7235**
- **KX-T7220**
- **KX-T7441**
- **KX-T7740**
- **KX-T7040**

Analogue Proprietary Telephones
- **KX-T7750**
- **KX-T7720**
- **KX-T7730**
- **KX-T7130**

Proprietary Equipment
- **DSS Console**
- **KX-T7441**
- **KX-T7440**
- **KX-T7240**

Single Line Telephones
- **KX-TS85EW**
- **KX-T7315**
- **KX-T7710**

DECT Equipment
- **Cell Station**
- **KX-TDA0142CE**
- **KX-TDA0141CE**

DECT Handsets
- **KX-TCA255**
- **KX-TCA155**
- **KX-TD7590**
- **KX-TD7580**
- **KX-TD7500**

Other Equipment
- **KX-T30865** (Doorphone)
- **Headsets for handsets**
- **USB for KX-T7633&36**

19” Rack Mounting kits available
### Maximum System Capacity

<table>
<thead>
<tr>
<th></th>
<th>KX-TDA15</th>
<th>KX-TDA30</th>
<th>KX-TDA100</th>
<th>KX-TDA200</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Extensions</strong></td>
<td>20</td>
<td>52*</td>
<td>128*</td>
<td>256*</td>
</tr>
<tr>
<td>Single Line Telephone</td>
<td>12</td>
<td>24</td>
<td>64</td>
<td>128</td>
</tr>
<tr>
<td>Proprietary Telephone</td>
<td>16</td>
<td>48*</td>
<td>128*</td>
<td>256*</td>
</tr>
<tr>
<td>IP Handsets**</td>
<td>0</td>
<td>0</td>
<td>64</td>
<td>128</td>
</tr>
<tr>
<td><strong>Trunks</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trunk Port</td>
<td>8</td>
<td>12</td>
<td>64ch</td>
<td>128ch</td>
</tr>
<tr>
<td>Analogue Lines</td>
<td>2</td>
<td>12</td>
<td>64</td>
<td>128</td>
</tr>
<tr>
<td>E&amp;M / PRI(3DB) (ISDN30)</td>
<td>N/A</td>
<td>N/A</td>
<td>32</td>
<td>64</td>
</tr>
<tr>
<td>E1</td>
<td>N/A</td>
<td>N/A</td>
<td>2(80ch)</td>
<td>4(120ch)</td>
</tr>
<tr>
<td>BRI (ISDN2)</td>
<td>4(8ch)</td>
<td>6(12ch)</td>
<td>32(64ch)</td>
<td>64(128ch)</td>
</tr>
<tr>
<td><strong>DECT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cell Stations</td>
<td>2</td>
<td>8</td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td>DECT Handsets</td>
<td>28</td>
<td>28</td>
<td>128</td>
<td>128</td>
</tr>
<tr>
<td><strong>Power Consumption (Average)</strong></td>
<td>55W</td>
<td>55W</td>
<td>156W</td>
<td>258W</td>
</tr>
<tr>
<td><strong>Dimensions (H x W x D)</strong></td>
<td>275 x 376 x 117mm</td>
<td>275 x 376 x 117mm</td>
<td>390 x 334 x 270mm</td>
<td>414 x 430 x 270mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3.5kg</td>
<td>3.5kg</td>
<td>12kg</td>
<td>16kg</td>
</tr>
</tbody>
</table>

**System**

- Tenant: 8
- Class of Service: 64
- Trunk Group: 64
- Extension Group: 32
- Paging Group: 32
- Call Pickup Group: 64

**VM (Digital / Analogue Integration)**

- Group: KX-TDA15/30 1 unit x 8 ch, KX-TDA100/200 2 units x 24 ch

**VM (DTMF)**

- Group: KX-TDA15/30 2 groups x 24 ch, KX-TDA100/200 2 groups x 32 ch

**Queueing Time Table**

- 64 (16 steps / table)

**Idle Extension Hunting Group**

- 64 (16 extensions / table)

**Absent Message (System / Extension)**

- 8 message x 16 digits / 1 message x 16 digits

**Message Waiting**

- KX-TDA15/30 = 128, KX-TDA100/200 = 256

**Extension Number Digit**

- 1-4

**Call Park Area**

- 100

**Verified Code**

- 4 x 1000

**Verified Code's Password**

- 10 digits (1000 entries)

**Host PBX Access Code**

- 10 digits (10 entries / Trunk Group)

**DDI/DDI Table**

- 32 digits (1000 entries)

**Dialling**

- **Emergency Call**
  - 32 digits (10 entries)
- **Quick Dialling**
  - 1-4 digits (80 entries)
- **System Speed Dialling**
  - 32 digits (8000 entries)**
- **Personal Speed Dialling**
  - 32 digits (100 entry / extension)**
- **One-Touch Dialling**
  - 32 digits
- **Hot Line**
  - 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

**Call Barring**

- **Call Barring Level**
  - 7
- **Call Barring Denied Code**
  - 16 digits (100 entries/level)
- **Call Barring Exception Code**
  - 16 digits (100 entries/level)

**Charge Management**

- **Charge Rate**
  - 5 digits
- **Charge Denomination**
  - 3 characters

**Call Log**

- **Outgoing Call Log**
  - 0-100 log / Extension
- **Incoming Call Log**
  - 0-100 log / Extension

**Password**

- **System Password (Administrator)**
  - 4-10 digits
- **System Password (End User)**
  - 4-10 digits
- **Manager Password**
  - 4-10 digits
- **Personal Password**
  - 0-10 digits

**Power Failure**

- **Backup**
  - Several hours with optional batteries

**Call Logging**

- **Detail recording**
  - Date, Time, Extension Number, CO Line Number, Dialed Number, Call Duration, Ring Time,
  - Charge Fee, Account Code, Condition RC, AN, NATR FW

**Safety Certification**

- UL, CSA, TÜV-GS, CE

* Available with memory expansion card  ** Version 2.0   *** Requires both v2.0 & memory expansion card

Design and specifications are subject to change without notice.

Table shows maximum system capacity. Systems should always be configured with advice from a Panasonic Telephone Systems Dealer.
Features List

**System Features**
- ARS/LCR
- Automatic ISDN Setting (BRI)
- Background Music (BGM)
- Budget Management
- Busy on Busy
- CTI
- Call Barring
- Call Logging
- Call Park with Indication
- Call Pickup Groups
- Calling Line Identification Distribution (CLID)
- CENTRALIZED Operator/BLF***
- 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
- Electronic Lock
- Emergency Call
- Existing APT / DPT Compatibility
- Extension Groups
- External BGM
- External Sensor / Relay Control*
- Flexible Numbering Plan (5-dignt)
- Floating Extension
- Greeting Message
- Host PBX Access Code
- Hotel Features*
- Hunting Groups
- Hurry-Up Transfer
- Intercept Routing - Busy/DND
- Intercept Routing - No Answer
- Intercept to Trunk
- Manager Functions
- MPR, Card / CS Software Download
- Multiple Language Support
- Online Diagnostics
- Operator Functions
- PC Console / PC Phone
- PC Programming
- Paging Groups
- Quick Setup
- Remote Alarm Notification
- Remote Extension Status Control through DISA
- Remote Extension Lock
- Ring Groups
- Special Carrier Access
- System Memory Expansion
- Tenant Service
- Timed Reminder
- Time Service (Day / Night / Lunch / Break)
- Trunk Groups
- Uniform Call Distribution (UCD)
- 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
- LCD Menu Display on key phones**
- Live Call Screening (LCS)
- Remote PBX Data Control by VM
- VM Data Control by PBX
- VM Transfer Recall (VM Queuing Function)
- VM (Digital / DTMF) Integration
- VM Groups
- VM Transfer

**Extension Features DXDP**
- Absent Message
- Account Code Entry (Forced)
- Automatic Redial
- Boss - Secretary
- Call Forwarding (All Calls, Busy, Busy/No Answer, No Answer, Follow Me, From Incoming Group)
- Call Hold
- Call Pickup (Directed, Group, DSS, Deny )
- Call Transfer (Screened, Unscreened, One-Touch Transfer, Transfer Recall)
- Caller ID for SLTs*  
- Calling Party Control (CPC) Signal for SLT (Extension CPC)
- Conference (Party Conference, Multi Party Conference, Unattended Conference )
- Dial Type Selection
- Digital Extra Device Port (XDP)
- (2DPTs in One Extension Port)
- Direct One-Touch Answering
- Do Not Disturb (DND)
- DSS Console
- Executive Busy Override
- Extension Directory
- Extension-To-Trunk Line Call Duration Time
- External Feature Access
- Flexible Buttons
- Full Duplex SP-phone
- Hands-free Operation
- Handset/Headset Selection
- Log-In/Log-Out
- Message Waiting
- Multi Lingual Display
- Multi Hop Call Forwarding (4 steps)
- Music on Hold
- Off-Hook Call Announcement (OHCA)
- Off-Hook Monitor
- One-Touch Dialing
- Paging (Dany, Paging Transfer, Forced Paging, Emergency Paging with Message)
- Parallelized Telephone (APT/DPT+SLT, DPT/SLT-PS)
- Redial, Last Number
- Remote Station Control

**<DECT Features>**
- Automatic Handover
- Headset Compatibility
- Incoming & Outgoing Call Log
- Vibrator Ring
- Wireless XDP Parallel Mode
- DPT Cell Station

**ISDN Service Features**
- 3 Party Conference
- Advice Of Charge (AOC)
- Calling Line Identification Restriction (CLR)
- Calling Line Identification Presentation (CLIP)
- Connected Line Identification Presentation (CLLP)
- Connected Line Identification Restriction (CCLR)
- 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**
- Alternated Routing
- ARS with VoIP
- Closed Numbering
- DISA Call to the Network
- Private Network to Public Network
- Public Network to Private Network
- QoS Connection
- Tandem Connection
- Transfer to Network PBX
- VPN
- VoIP Network (Built-in IP-GW)

Panasonic recommend that a site survey is considered for DECT applications.
The design and specification of the products is constantly changing in the interest of improvement.
Whilst every care is taken in preparing this brochure some changes may occur after publication.
Please check with your Panasonic dealer for details.

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