

## System Capacity

		KX-TDA15	KX-TDA30	KX-TDA30 with Memory Expansion card (KX-TDA3105)
Extensions	Max Extension Port (DPT and SLT)	20	28	52
	Single Line (a/b) Telephone (SLT)	12	24	24
	Digital Proprietary Telephone (DPT) (Type 1) Note 1	16	24	48
	Digital Proprietary Telephone (DPT) (Type 2) Note 2	4	24	24
	IP Proprietary Telephone (IPT)	4	4	4
	Analogue Proprietary Telephone (APT)	4	4	4
	Direct Station Select (DSS) Console	4	4	4
	Voice Processing System (VPS)	1 (4 ports)	1 (4 ports)	1 (4 ports)
Trunks	Trunk Port	8	12	12
	ISDN Trunk (BRI)	4	6	6
	Analogue Trunk	2	12	12
	IP-Trunk	4	4	4
	SIP Trunk (including TDA3451)	4 (8)	4 (8)	4 (8)
Wireless	Portable Station (PS)	28	28	28
	Cell Station (CS)	2	8	8
Doorphone Port		4	4	4

(Note 1): Type 1: T7600 series, T7560, T7565 Digital Proprietary Telephones

(Note 2): Type 2: Current Digital Proprietary Telephones (T7200, T7400, T7500 series)



Line-up  
KX-TDA15 and KX-TDA30

## Option List for TDA15/30

	Model	Description	Maximum Quantity		
			KX-TDA15	KX-TDA30	
Main Board					
Option Cards	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	
		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-TDA3450	4-Channel SIP Trunk Card (SIP-GW4)	1	1	
		4-Channel VoIP DSP Card (SIP-DSP4)	1	1	
	KX-TDA3480	4-Channel VoIP Gateway Card (IP-GW4)	1	1	
	KX-TDA3171	4-Port Digital Extension Card (DLC4)	n/a	1	
	KX-TDA3172	8-Port Digital Extension Card (DLC8)	1	2	
Extension Cards	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	
	KX-TDA3470	4-Channel VoIP Extension Card (IP-EXT4)	1	1	
	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)*1	2	2	
KX-TDA3192	2-Channel Simple Voice Message Card (SVM2)	2	2		
DECT Options	KX-TDA0141CE	2-Channel Cell Station for DHLIC / 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	Additional AC Adaptor and AC Cord	n/a	1	
	KX-A228	Battery Back-Up Cable	n/a	1	
	KX-T30865	Doorphone	4	4	
	KX-A289	KX-TCA256 Transparent Front Carry Case	-	-	
	KX-A287	KX-TCA256 Belt Clip Carry Case	-	-	
	KX-A288	KX-TCA155 Transparent Front Carry Case	-	-	
	KX-A290	KX-TCA355 Belt Clip Carry Case	-	-	
	CTI Applications	KX-TDA0350	PC Phone - 1st Party CTI Software / PC Phone Software Add-in for Microsoft® Outlook®	16 / 16	48 / 48
KX-TDA0300		PC Console - Operator Software with system directory capabilities	12	24	
KX-NCS1100		Phone Assistant Pro Trial / Express*2	7	7	
KX-NCS1101		Phone Assistant Pro - 1 licence	128	128	
KX-NCS1105		Phone Assistant Pro - 5 licences			
KX-NCS1110		Phone Assistant Pro - 10 licences			
KX-NCS1199		Phone Assistant Pro - 128 licences			
KX-NCS1200		Phone Assistant Status Pro Trial / Express*2			
KX-NCS1201		Phone Assistant Status Pro (1 licence)	8	8	
KX-NCS1301		Phone Assistant Manager*2	16	16	
KX-NCS8100		IP Softphone	4	4	
KX-NCS9101		IP Softphone Plug-In (KX-NCS1101,1105,1110,1199)	30	30	

\*1 Total Record time: 8 minutes per system. Up to 32 messages, maximum 1 minute per message.

\*2 Software bundled free with TDA30 PBX (Not TDA15)

\*3 Limited by Maximum Extension capacity

## Specifications

KX-TDA15/30
<b>Power Voltage:</b> AC100V ~ 240V 50 / 60 Hz
<b>Memory Back-up Duration:</b> 7 years
<b>Dialling:</b> Extension - DP (10pps, 20pps), DTMF CO - DP (10pps, 20pps), DTMF
<b>Mode Conversion:</b> DP-DTMF, DTMF-DP
<b>Connectors:</b> CO Line - RJ11 (2 wire) * each Trunk port Station - RJ11 (2 wire) * each Extension port Paging Output - 1 conductor jack External MOH Output - 1 conductor jack
<b>Ring Frequency:</b> 20/25 Hz (Selectable)
<b>Trunk Loop Limit:</b> 1600 ohms Max.
<b>Operating Environment:</b> Humidity - 10 - 90% (non condensing)
<b>MOH (Music On Hold):</b> 1 port (Level Control: -11dB to +11dB in 1dB steps) MOH # 1: Selectable Tone/External Music Source Port
<b>Internal Paging Volume:</b> Level control: -15dB to +6dB per 3dB
<b>External Paging:</b> 1 port (Level control: -15dB to +15dB per 3dB)
<b>Serial Interface Port:</b> USB: 1 port RS-232C: 1 port (115.2kbps)
<b>Structure:</b> Free Slot style. Can be accommodated into 19" Rack
<b>Dimensions:</b> 275mm (W) x 376mm (H) x 117mm (D)
<b>Weight:</b> Under 3.5Kg

# System Feature Capacity

	KX-TDA15/30
<b>System</b>	
Tenant	8
Class of Service	64
Trunk Group	64
User Group	32
Paging Group	32
Call Pickup Group	64
Incoming Call Distribution (ICD) Group	128 (32 extensions per group)
Portable station (PS) Ring Group	32
Voice Mail (DPT) Group	1 group * 4 ports
Voice Mail (DTMF) Group	2 groups x 24 ch
Queueing Time Table	64
Idle Extension Hunting Group	64 (16 extensions / table)
Absent Message (System / Extension)	8 message x 16 characters per system 1 message x 16 characters per extension
Message Waiting	256
Number of the characters of Name	20
Extension Number Digits	1 - 4 digits
Call Park Zone	100
Conference	3-8 parties per conference
Special Carrier Code	16 digits, 20 entries
Verification Code	4 digits x 1000 entries
Verification Code Personal Identification Number (PIN)	10 digits, 1000 entries
Host PBX Access Code	10 digits, (10 entries / trunk group)
DDI/DID Table	32 digits (1000 entries)
Station Message Detailed Recording (SMDR) Call Storage	200 calls
<b>Toll Restriction / Barring</b>	
Toll Restriction/Barring Level	7
Toll Restriction/Barring Denied Code	16 digits, 100 entries per level
Toll Restriction/Barring Exception Code	16 digits, 100 entries per level

	KX-TDA15/30
<b>Networking</b>	
TIE Routing Table	32 entries
Leading Number	3 digits
PBX Code	7 digits
NDSS: Monitored PBX	8
NDSS: Registered Extension, Monitoring on PBX	250
<b>Automatic Route Selection (ARS)</b>	
Routing Plan Table	16 entries
Leading Number Table	16 digits, 1000 entries
Leading Number Exception Table	16 digits, 200 entries
ARS Carrier	10
Itemised Billing Code	10 digits
Authorisation Code	10 digits
<b>Dialling</b>	
Emergency Call	32 digits, 10 entries
Quick Dialling	4 digits, 80 entries
System Speed Dialling	32 digits, 1000 entries per system w/o EMEC card 32 digits, 1000 entries per Tenant w EMEC card Max: 8 Tenants
Personal Speed Dialling	32 digits, 10 entries per extension w/o EMEC 32 digits, 100 entries per extension w EMEC
One-Touch Dialling	32 digits
Hot Line	32 digits
Key Pad Protocol Dial (ISDN Service Access)	32 digits
Redial	32 digits
<b>Password</b>	
System Password for Administrator -for PT	4-10 digits
System Password for User	4-10 digits
Manager Password	4-10 digits
Extension Personal Identification Number (PIN)	0-10 digits / extension
<b>Voice Mail</b>	
Max Number of VPS Systems	1
Max Number of VPS Channels	1 x 8 ch
<b>Call Log</b>	
Outgoing Call Log	100 logs per extension
Incoming Call Log	1000 logs per extension
<b>Voice Message (VM)</b>	
Outgoing Message (OGM)	32
OGM Total Recording Time	8 minutes
<b>Built-in SVM</b>	
Built-in Simplified VM	125 messages/card
SVM Total Recording Time	40, 60 or 120 minutes (depending on recording quality)

## Feature List

### System Features

- Automatic Call Distribution (ARS)
- Automatic ISDN Setting (BRI)
- Automatic Route Selection (ARS) / Least Cost Routing (LCR)
- Background Music (BGM)
- Budget Management
- Busy on Busy
- Call Park with Indication
- Call Pickup Group
- Call Distribution by Caller ID
- Class of Service (COS)
- CTI (CSTA, TAPI)
- Data Line Security
- Delayed Ringing
- Direct In Lines (DIL)
- Direct Dial In (DDI)
- Direct Inward System Access (DISA)
- Door-Phone / Door Opener
- Echo Cancellation
- Extension Lock
- External Sensor/Relay for Alarm Notification
- Emergency Call
- Existing APT / DPT Compatibility
- External BGM
- Flexible Numbering Plan
- Floating Extension
- Greeting Message
- Host PBX Access Code
- Hunting Group
- Hurry-Up Transfer
- Incoming Call Distribution (ICD) group - Hunting Group
- Incoming Call Group (ICD) Call Log
- Intercept Routing - Busy / DND
- Intercept Routing - Busy (Default destination)
- Intercept Routing - DISA Message
- Intercept Routing - No Answer \*4
- Intercept Routing - Time Service (Day/Night/Lunch/Break)
- Intercept to Extension
- Intercept to Trunk
- Line Monitor (CO)
- Main Processing Card (MPR) / CS Software Download
- Manager Functions
- Multiple Language Support
- Online Diagnostics
- Operator Functions
- PC Console / PC Phone
- PC Programming
- Paging Group
- Remote Alarm Notification
- Remote Extension Status Control through DISA
- Remote Extension Lock
- Ring Group
- Special Carrier Access
- Station Message Detail Recording (SMDR)
- SMDR 12 and 24 Hour Time Format
- SMDR Caller ID Printing
- System Memory Expansion\*3
- 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
- Email Integration\*2
- Intercept Routing to VM
- LCD for VM operation (KX-T7636/33 only)
- Live Call Screening (LCS)
- Remote PBX Data Control by VM
- VM Data Control by PBX
- VM (Digital / DTMF) Integration
- VM Group
- VM Mail Transfer
- VM Message Number display on DPT LCD

### Extension Features

- 4-Party Conference with Broadcasting up to 32-Party
- Absent Message
- Account Code Entry (Forced)
- Automatic Answer from transfer
- Automatic Call Waiting
- Automatic Redial
- Broadcasting
- Caller ID to SLT
- Call Forwarding (All Calls, Busy, Busy/No Answer, No Answer, Follow Me, From Incoming Group)
- Call Hold
- Call Log For Busy Extension
- Call Pick-up (Directed, Group, DSS, Deny)
- Call Transfer (Screened, Unscreened, One-Touch Transfer, Transfer Recall)
- Conference (3-Party Conference, Multi Party conference, Unattended Conference)
- Dial Type Selection
- Digital Duplex Speaker Phone (SP-phone)
- Digital eXtra Device Port (DXDP)
- Direct One-Touch Answering
- Do Not Disturb (DND)
- DSS Console
- Executive Busy Override
- Extension Directory
- Extension-to-Trunk Call duration Time
- External Feature Access
- Flexible Buttons
- Hands-free Operation
- Handset / Headset Selection
- Large Telephone Display Features with Back-lit
- LED control for CTI
- 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)
- Quick Dial
- 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 Extensions (including IP Softphone and IPT)
- Walking Class Of Service (COS) multiple CLIP
- Whisper OHCA (Off-Hook Call Announcement)
- Wrap-Up
- eXtra Device Port (XDP)

### <DECT Features>

- Automatic Handover
- DECT CS on Digital Extension Port
- Headset Compatibility
- Incoming & Outgoing Call Log
- LCD Control via CTI\*1
- Wireless XDP Parallel Mode (SXDP)\*1
- Vibrator Ring (KX-TCA355/256)

### ISDN Service Features

- Advice of Charge (AOC)
- Alert Connect mode
- 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)
- E1 Private Network Using DR2CH
- ISDN 3 Party Conference (3PTY)
- ISDN Call Forwarding (CFU / CFNR / CFB)
- ISDN Call Transfer (CT)
- ISDN Extension
- Malicious Call Identification (MCID)
- Multiple Subscriber Numbers (MSN)

### Networking Features

- Alternated Routing
- ARS with VoIP
- Centralised Voice Mail\*1
- Common Extension Numbering\*1
- DECT PS roaming using Network ICD\*1
- DISA Call to the Network
- Network Busy Lamp Field (BLF)\*1
- Network Closed Numbering
- Network Incoming Call Distribution (ICD) group\*1
- Private Network to Public Network

- Public Network to Private Network
- QSIG Connection
- QSIG Access to CO line
- Tandem Connection
- TIE Line
- Transfer to Network PBX
- Virtual Private Network (VPN)
- VoIP Network (Built-in IP-GW)

### Built-in Hotel Features

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

### Mobile Telephone Integration Features

- Call Transfer\*1
- Incoming Call Distribution (ICD) group\*1
- System Feature Access\*1

\*1 TDA3920 Optional software required  
\*2 When integrated with a KX-TVM50/200 Voice Processing system.

\*3 KX-TDA30 only

\*4 Day/Lunch/Break/Night/Busy

DPT: Digital Proprietary Telephone  
APT: Analogue Proprietary Telephone  
SLT: Single Line Telephone  
IPT: IP Proprietary Telephone  
PS: Portable Station