

## System Capacity

		KX-TDA15	KX-TDA30	KX-TDA30 with Memory Expansion card (KX-TDA3105)
<b>Extensions</b>	Max Extension Port (DPT and SLT)	20	28	52
	Single Line (a/b) Telephone (SLT)	12	24	24
	Digital Proprietary Telephone (DPT) <b>Note 1 (Type 1)</b>	16	24	48
	Digital Proprietary Telephone (DPT) <b>Note 2 (Type 2)</b>	4	24	24
	IP Proprietary Telephone (IPT) <b>Note 3</b>	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)
<b>Trunks</b>	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)
<b>Wireless</b>	Portable Station (PS)	28	28	28
	Cell Station (CS)	4	8	8
<b>Doorphone Port</b>		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)

**Note 3:** NT136, NT265, and NT300 series IP Proprietary Telephones



**Line-up**  
KX-TDA15 and KX-TDA30

## Option List for TDA15/30

	Model	Description	Maximum Quantity		
			KX-TDA15	KX-TDA30	
Main Board	Daughter cards for KX-TDA30 Main Board	Memory Expansion Card (MEC)	n/a	1	
Option Cards		Remote Card (RMT)	n/a	1	
Trunk Cards		4-Port Analogue Trunk Card (LCOT4)	n/a	3	
		4-Port Caller ID Card (CID4)	n/a	3	
	Daughter card for KX-TDA3105	2-Port Analogue Trunk Card (LCOT2)	1	3	
		2-Port BRI Card (BRI2)	1	3	
		1-Port BRI Card (BRI1)	1	n/a	
		4-Channel SIP Trunk Card (SIP-GW4)	1	1	
		4-Channel VoIP DSP Card (SIP-DSP4)	1	1	
Extension Cards	Daughter card for KX-TDA3450	4-Channel VoIP Gateway Card (IP-GW4)	1	1	
		4-Port Digital Extension Card (DLC4)	n/a	1	
		8-Port Digital Extension Card (DLC8)	1	2	
		4-Port Single Line Telephone Extension Card (SLC4)	n/a	1	
		8-Port Single Line Telephone Extension Card (SLC8)	1	2	
		4-Channel VoIP Extension Card (IP-EXT4)	1	1	
Option Cards		4-Port Doorphone and External Input / Output Card (DPH4)	1	1	
		2-Port Doorphone and External Input / Output Card (for German Type)	1	1	
		8-Channel Echo Canceller Card (ECHO8)	1	1	
		Extension Caller ID Card (EXT-CID)	Preinstalled	1	
		2-Channel Enhanced Simple Voice Message Card (ESVM2)	3	3	
DECT Options		2-Channel Cell Station for DHLC / DLC Card	4	8	
		8-Channel High Density Cell Station for DHLC / DLC Card	2	4	
Additional Accessories		2-Channel DECT Cell Station Repeater	6 per base	6 per base	
		SD Card - Standard feature Upgrades	1	1	
		SD Card - Enhanced feature Upgrades	1	1	
		19" Rack Mounting Bracket	1	1	
		Additional AC Adaptor and AC Cord	n/a	1	
		Battery Back-Up Cable	n/a	1	
		Doorphone	4	4	
		KX-TCA256 Transparent Front Carry Case	-	-	
		KX-TCA256 Belt Clip Carry Case	-	-	
		KX-TCA155 Transparent Front Carry Case	-	-	
		KX-TCA355 Belt Clip Carry Case	-	-	
	CTI Applications		PC Phone Software / 1st Party CTI Software / PC Phone Software Add-on for Microsoft® Outlook®		
			PC Console - Operator Software with system directory capabilities	12	24
			Phone Assistant Pro Trial / Express	7	7
		Phone Assistant Pro - 1 licence			
		Phone Assistant Pro - 5 licences			
		Phone Assistant Pro - 10 licences	30*2	30*2	
		Phone Assistant Pro - 128 licences			
		Phone Assistant Status Pro Trial / Express	3	3	
		Phone Assistant Status Pro (1 licence)	8	8	
		Phone Assistant Manager	16	16	
	IP Softphone	4	4		
	IP Softphone Plug-in (KX-NCS1101,1105,1110,1199)	4	4		

## 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 - RJ45 (2 wire) x each Trunk port Station - RJ45 (4 wire) x 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) 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	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		
	Queuing 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		
<b>Call Log</b>	Outgoing Call Log	100 logs per extension		
	Incoming Call Log	1000 logs per extension		
<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
	<b>Dialling</b>	Itemised Billing Code		10 digits
		Authorisation Code		10 digits
		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	
<b>Password</b>	Key Pad Protocol Dial (ISDN Service Access)		32 digits	
	Redial		32 digits	
	System Password for Administrator -for PT		4-10 digits	
	System Password for User		4-10 digits	
	Manager Password		4-10 digits	
<b>Voice Mail</b>	Extension Personal Identification Number (PIN)		0-10 digits / extension	
	Max Number of VPS Systems		1	
<b>Voice Message SVM</b>	Max Number of VPS Channels		1 x 8 ch	
	Outgoing Message (OGM)		32	
	OGM Total Recording Time		8 minutes	
	Voice Messages		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
- Primary Directory Numbers (PDN)
- Secondary Directory Numbers (SDN)
- 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
- DISA and Auto Attendant (SVM)
- 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 clear via CTI
- VM Data Control by PBX
- VM (Digital / DTMF) Integration
- VM Group
- VM Mail Transfer with Caller ID
- 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
- Boss - Secretary
- Broadcasting
- Caller ID to SLT
- Call Forwarding (All Calls, Busy, Busy/No Answer, No Answer, Follow Me, From Incoming Group)
- Call Hold
- 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-light
- LED control for CTI

- Log-In / Log-Out
- Message Waiting
- Multi-Lingual Display
- Multiple Hop Call Forwarding (4 steps)
- Music on Hold by DDI/DIL Tenant
- Off-Hook Call Announcement (OHCA)
- Off-Hook Monitor
- One-Touch Dialling
- Paging (Deny, Paging Transfer)
- Paralleled Telephone (APT/DPT & SLT, DPT/SLT & PS, DPT/SLT & Mobile Telephone)
- 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 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)
- Vibrator Ring (KX-TCA256/355 Only)

### 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)
- 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)

### 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

### Networking Features

- Alternate 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

### IP Telephone Features

- KX-NT300 series support\*5

\*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

\*5 Requires IP Extension Card

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