

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
	Analogue Proprietary Telephone (APT)	4	4	4
	Direct Station Select (DSS) Console	4	4	4
	Voice Processing System (VPS)	1	1	1
Trunks	Trunk Port	8	12	12
	ISDN Trunk (BRI)	4	6	6
	Analogue Trunk	2	12	12
	IP-Gateway	1	1	1
Wireless	Portable Station (PS)	28	28	28
	Cell Station (CS)	2	8	8
Doorphone Port		4	4	4
PC Console		2	2	2
PC Phone		12	24	24

(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	Daughter cards for KX-TDA30 Main Board	KX-TDA3105	Memory Expansion Card (MEC)	n/a	1
Option Cards		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	
KX-TDA3161		4-Port Doorphone and External Input / Output Card (DPH4)	1	1	
Option Cards	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-TDA0350	PC Phone - 1st Party CTI Software	2	2
		KX-TDA0300	PC Console Operator Software with system directory entry capabilities	12	24

Specifications

KX-TDA15/30
Power Voltage: AC100V ~ 240V 50 / 60 Hz
Memory Back-up Duration: 7 years
Dialling: Extension - DP (10pps, 20pps), DTMF CO - DP (10pps, 20pps), DTMF
Mode Conversion: DP-DTMF, DTMF-DP
Connectors: CO Line - RJ45 Station - RJ45 Paging Output - 2 conductor jack External Voice Output - 2 conductor jack
Ring Frequency: 20/25 Hz (Selectable)
Central Office Loop Limit: 1600 ohms Max.
Operating Environment: Temperature - 0 - 40 C (32 - 104 F) Humidity - 10 - 90%
MOH (Music on Hold): 1 port MOH # 1: External Music Source
Internal Paging: Level control: -6dB ~ +6dB per 3dB
External Paging: 1 port (Level control: -15dB ~ +15dB per 3dB)
Serial Interface Port: USB: 1port RS-232C: 1port (115.2kbps)
Structure: Free Slot style Can be accommodated into 19" Rack

System Feature Capacity

		KX-TDA15/30
System	Tenant	8
	Class of Service	64
	Trunk Group	64
	User Group	32
	Paging Group	32
	Call Pickup Group	64
	Incoming Call Distribution (ICD) Group	64 (32 extensions per group)
	Portable station (PS) Ring Group	32
	Voice Mail (DPT) Group	1 unit x 8 ch
	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	3x10 - 8x4
	Special Carrier Code	16 digits, 20 entries
	Verified Code	4 digits x 1000 entries
	Verified 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	
Toll Restriction / Barring	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
Networking	TIE Routing Table	32 entries
	Leading Number	3 digits
	PBX Code	7 digits
Automatic Route Selection (ARS)	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
Dialling	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
	Key Pad Protocol Dial (ISDN Service Access)	32 digits
	Redial	32 digits
	Password	System Password for Administrator
System Password for User		4-10 digits
Manager Password		4-10 digits
Extension Personal Identification Number (PIN)		0-10 digits / extension
Voice Mail	Max Number of VPS Systems	1
	Max Number of VPS Channels	1 x 8ch
	Outgoing Call Log	100 logs per extension

Feature List

System Features

- 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 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
- 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
- Quick Set-up
- 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*
- 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
- LCD for VM operation
- 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 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-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)
- Redial, Last Number
- Remote Station Control
- Speed Dialling - Personal & System
- Time and Date Display
- Tone Pulse Conversion

- Trunk Answer from Any Station (TAFAS)
- Walking Class Of Service (COS)
- 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**
- Wireless XDP Parallel Mode
- Vibrator Ring (KX-TCA255 Only)

ISDN Service Features

- Advice of Charge (AOC)*
- Calling Line Identification Restriction (CLIR)
- Calling Line Identification Presentation (CLIP)
- Completion of Calls to Busy Subscriber (CCBS)
- Connected Line Identification Restriction (COLP)
- Connected Line Identification Presentation (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)

Networking Features

- Alternated Routing
- ARS with VoIP
- DISA Call to the Network
- Network Busy Lamp Field (BLF)**
- Network Closed Numbering
- Private Network to Public Network
- Public Network to Private Network
- QSIG Connection
- Tandem Connection
- Transfer to Network PBX
- Virtual Private Network (VPN)
- VoIP Network (Built-in IP-GW)

* KX-TDA30 Only

** Optional software required

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