Panasonic
ideas for life

KX-TDA600

System Capacity

			Basic System	2 Shelf System	3 Shelf System	4 Shelf System (Max)
Telephone		Without DXDP*	160	320	480	640
		With DXDP*	240	480	720	960
	Single Line Telephone (SLT)		160	320	480	640
	KX-T7600 series Digital Proprietary Telephone (DPT)		160	320	480	640
	Other DPT		128	256	384	512
	Analogue Proprietary Telephone (APT)		80	160	240	320
	IP-PT (Proprietary Telephone)		160	320	480	640
Trunks	Trunk Port		160	320	480	640
	ISDN Trunk		160	320	480	640
	Analogue Trunk		160	320	480	640
	IP-Gateway		160	320	480	640
Direct Station Select (DSS) Console				6	4	
Portable Station (PS)	Without Memory Expansion Card			25	6	
	With Memory Expansion Card			51	2	
Cell Station (CS)			32	64	96	128
Voice Processing System (VPS)					8	
Doorphone			16	32	48	64
Door Opener			16	32	48	64
External Sensor			16	32	48	64
External Relay			16	32	48	64
Add-on Key Module			160	320	480	640
USB Module			160	320	480	640
PC Console					8	
PC Phone				12	8	

*DXDP: Digital eXtra Device Port

Line-up
KX-TDA600 and the optional Expansion Shelf KX-TDA620 (Max 3 + TDA600)

Option List for TDA600

	Model		Description
Cabinet	KX-TDA600		Basic Shelf (Main Unit)
	KX-TDA620		Expansion Shelf Bus Slave Connection Circuit added initially (BUS S)
EMPR	Daughter cards for EMPR card only	KX-TDA6105	Memory Expansion Card (EMEC)
		KX-TDA0196	Remote Card (RMT)
Inter Connection	KX-TDA6110		Shelf Connection Card for Basic Shelf (BUS M)
	KX-TDA6111		Additional Card for connecting Expansion Shelf 2 and 3 (BUS ME) Mounted onto Bus M Card
Trunk Cards	KX-TDA6181		16-Port Analogue Trunk Card (ELCOT16)
	Daughter cards for ELCOT cards only	KX-TDA0189	8-Port Caller ID / Pay Tone Card (CID / PAY8)
		KX-TDA0193	8-Port Caller ID Card (CID8)
	KX-TDA0182		8-port Direct Dialling In (DID) Card (DID8)
	KX-TDA0184		8-Port E&M Trunk Card (E&M8)
	KX-TDA0187		T-1 Trunk Card (T1)
	KX-TDA0188		E-1 Trunk Card (E1)
	KX-TDA0284		4-Port Basic Rate Interface (BRI) Card (BRI4)
	KX-TDA0288		8-Port Basic Rate Interface (BRI) Card (BRI8)
	KX-TDA0290		Primary Rate Interface (PRI) Card (PRI23/PRI30)
	KX-TDA0484		4-Channel VoIP Gateway Card (IP-GW4E)
	KX-TDA0490		16-Channel VoIP Gateway Card (IP-GW16)
Extension Cards	KX-TDA0170		8-Port Digital Hybrid Extension Card (DHLC8)
	KX-TDA0171		8-Port Digital Extension Card (DLC8)
	KX-TDA0172		16-Port Digital Extension Card (DLC16)
	KX-TDA0173		8-Port Single Line Telephone Card (SLC8)
	Daughter card for SLC8 card only	KX-TDA0168	8-Port Analogue Extension Caller ID card (EXT-CID8)
	KX-TDA6174		16-Port Single Line Telephone Card (ESLC16)
	KX-TDA6175		16-Port Single Line Telephone Card with Message Lamp (EMSLC16)
	KX-TDA0470		16-Port IP PT Extension Card (IP-EXT16)
Option Cards	KX-TDA0190		Optional 3-Slot Base Card (OPB3)
	KX-TDA0410		CTI Link Card (TAPI / CSTA, 10Base-T)
	KX-TDA6166		16-Channel Echo Canceller Card (EECHO16)
	Daughter cards for OPB3 card only	KX-TDA0161	4-Port Doorphone Card (for KX-T30865) (DPH4)
		KX-TDA0162	2-Port Doorphone Card (for German Type) (DPH2)
		KX-TDA0164	4-Port External sensor Card (EIO4)
		KX-TDA0191	4-Channel Message Card (MSG4)
Dect Options	KX-TDA0141		2-Channel Cell Station Unit Using a DHLC / DLC Card for DECT Portable Station
	KX-TDA0142		4-Channel Cell Station Unit Using a CSIF Card for DECT Portable Station
	KX-TDA0143		4 Cell Station Interface Card (CSIF4) for TDA0142
	KX-TDA0144		8 Cell Station Interface Card (CSIF8) for TDA0142
Proprietary Equipment	KX-A228		S/M-type Back-up Battery Cable
	KX-A229		L-type Back-up Battery Cable
	KX-A258		Blank Slot Cover
	KX-T30865		Doorphone
Power Supply unit	KX-TDA0103		Large Power Supply Unit (L-PSU)
	KX-TDA0104		Medium Power Supply Unit (M-PSU)
Other	KX-TDA6920		SD Card containing Enhanced Feature Upgrades
	KX-TDA6201		Mounting Kit - Contains 4 x Wall Mounting Plates, 4 x Feet, and Screws

Specifications

KX-TDA600
Power Voltage:
AC100V ~ 240V
External Battery:
+36V (+12V x 3), Built-in interface
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 - Amphenol Connector
Station - Amphenol Connector
External Paging Output - 2 conductor jack
External MOH Input - 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):
2 ports
MOH # 1: External Music Source
MOH # 2: Internal Music / External Music Source
(Level control: -11dB ~ +11dB in 1dB steps)
Internal Paging:
Level control: -15dB ~ +6dB in 3dB steps
External Paging:
2 ports (Level control: -15dB ~ +15dB in 1dB steps)
Serial Interface Port:
USB: 1port   RS-232C: 1port (115.2kbps)
Structure:
Free Slot style
Can be accommodated into 19" Rack
Dimensions:
Basic Shelf : 430mm(W) x 415mm(H) x 270mm(D)
Expansion Shelf : 430mm(W) x 415mm(H) x 270mm(D)
Weight (when fully mounted):
Basic Shelf :Under 16 kg
Expansion Shelf : Under 16 kg

System Feature Capacity

System		KX-TDA600
System	Tenant	8
	Class of Service	64
	Trunk Group	96
	User Group	96
	Paging Group	96
	Call Pickup Group	96
	Incoming Call Distribution (ICD) Group	128 groups (128 extensions / group)
	Portable Station (PS) Ring Group	32
	Voice Mail (DPT) Group	8 groups x 24 ch
	Voice Mail (DTMF) Group	8 groups x 32 ch
	Queuing Time Table	128
	Idle Extension Hunting Group	128 groups (16 extensions / group)
	Absent Message (System / Extension)	8 messages x 16 characters per system / 1 message x 16 characters per extension
	Message Waiting	1672 (1032: PT+SLT) + (640: ICDG+PS)
	Number of the characters for Display ID	20
	Extension Number Digits	1 - 5
	Call Park Area	100
	Conference	3x10 - 8x4 per shelf
	Verified Code	4 digits (1000 entries)
	Verified Code Personal Identification Number (PIN)	10 digits (1000 entries)
	Special Carrier Code	16 digits (100 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	1000 calls w/o EMEC card / 4000 calls w EMEC card
Toll Restriction / Barring	Toll Restriction / Barring Level	7 levels
	Toll Restriction / Barring Denied Code	16 digits, 100 entries / level
	Toll Restriction / Barring Exception Code	16 digits, 100 entries / level
Networking	TIE Routing Table	32 entries
	Leading Digits	3 digits
	PBX Code	7 digits

		KX-TDA600
Automatic Route Selection (ARS)	Routing Plan Table	48 entries
	Leading Number Table	16 digits (1000 entries)
	Leading Number Exception Table	16 digits (200 entries)
	ARS Carrier	48
	Itemised Billing Code	10 digits
	Authorisation Code	10 digits
Dialling	Emergency Call	32 digits (10 entries)
	Quick Dialling	4 digits, 80 entries w/o EMEC card / (4 digits, 80 entries) + (8 digits, 1000 entries) w EMEC card
	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
	ISDN Service Access	32 digits
	Redial	32 digits
Password	System Password for Administrator	4-10 digits
	System Password for User	4-10 digits
	Manager Password	4-10 digits
	Extension Personal Identification Number (PIN)	0-10 digits / extension
Call Log	Outgoing Call Log	0 100 logs / extension / 5760 logs / system
	Incoming Call Log	0 - 100 logs / extension / 12800 logs /system

Features 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
- External Sensor/Relay for Alarm Notification
- 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)
- 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
- E-mail Integration*1
- Intercept Routing to VM
- Live Call Screening (LCS)
- Remote PBX Data Control by VM
- Telephone Display, Menu driven VM operation
- VM Data Control by PBX
- VM (Digital / DTMF) Integration
- VM Group
- VM Mail Transfer
- VM Menu on the LCD*1 (KX-T7636/T7633 only)

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 Pickup (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 SP-phone
- Digital eXtra Device Port (DXDP) *2 (2DPTs in One Extension Port)
- 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)*2
- 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

(right column continued)
- 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
- Telephone Display control via CTI*3
- 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 3 Party Conference (3PTY)
- 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
- DISA Call to the Network
- Network Busy Lamp Field (BLF)*3
- Network Closed Numbering
- Private Network to Public Network
- Public Network to Private Network
- QSIG Connection
- 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
- Remote Wake-up Call
- Room Status Control
- SMDR for External Hotel Application

*1 When the KX-TDA Hybrid IP-PBX is integrated with a KX-TVM50 or KX-TVM200 Voice Processing System.
*2 This feature is unavailable with the KX-NT136.
*3 Optional software required
DPT: Digital Proprietary Telephone
APT: Analogue Proprietary Telephone
SLT : Single Line Telephone
PS : Portable Station