

Artaphone

Panasonic

ideas for life

KX-TDA100

KX-TDA200

System Capacity

Maximum Trunk and Extension Cards

The following number of trunk and extension cards can be installed in the Hybrid IP-PBX for expansion.

Card Type	KX-TDA100	KX-TDA200
Trunk Card*1	4	8
Extension Card	4	8
Total	5	10

*1 One T1, E1, PRI30, PRI23, or IP-GW4 card counts as 2 cards.

Maximum Terminal Equipment

Terminal Equipment Type	KX-TDA100*3		KX-TDA200*4	
	Without MEC	With MEC	Without MEC	With MEC
Telephone*2	88	152	176	304
SLT and PT	64	128	128	256
Single Line Telephone (SLT)	64	64	128	128
Proprietary Telephone (PT)	64	128	128	256
IP-PT (Proprietary Telephone)	64			128
Direct Station Select (DSS) Console	8		8	
Portable Station (PS)	16		32	
Cell Station (CS)	128		128	
Voice Processing System (VPS)	2		2	
Doorphone	8		16	
Door Opener	8		16	
External Sensor	8		16	
External Relay	8		16	
Add-on Key Module	64	128	128	256
USB Module	64		128	
PC Console	8		8	
PC Phone	64		128	

*2 A single "T1-OPX (Off Premise Extension) port" or "BRI/PRI extension port" is counted as a wired telephone.

*3 For the maximum capacity, a Memory Expansion Card (MEC) and / or M-Type Power Supply Unit may be required.

*4 For the maximum capacity, a Memory Expansion Card (MEC) and / or L-Type Power Supply Unit may be required.

Note: Please ask your dealer for maximum capacity and configuration.



Line-up
KX-TDA100 and KX-TDA200

Option List

	Model	Description	Maximum Quantity		
			KX-TDA100	KX-TDA200	
MPR Option Cards	KX-TDA0105	Memory Expansion Card (MEC)	1	1	
	KX-TDA0196	Remote Card (RMT)	1	1	
Trunk Cards	KX-TDA0180	8-Port Analogue Trunk Card (LCOT8)	4	8	
	KX-TDA0181	16-Port Analogue Trunk Card (LCOT16)	4	8	
	KX-TDA0182	8-Port DID Card (DID8)	4	8	
	KX-TDA0183	4-Port Analogue Trunk Card (LCOT4)	4	8	
	KX-TDA0184	8-Port E&M Trunk Card (E&M8)	4	8	
	KX-TDA0187	T-1 Trunk Card (T1)	2	4	
	KX-TDA0188	E-1 Trunk Card (E1)	2	4	
	KX-TDA0189	8-Port Caller ID/Pay Tone Card (CID/PAY8)	8	16	
	KX-TDA0193	8-Port Caller ID Card (CID8)	8	16	
	KX-TDA0284	4-Port Basic Rate Interface (BRI) Card (BRI4)	4	8	
	KX-TDA0288	8-Port Basic Rate Interface (BRI) Card (BRI8)	4	8	
	KX-TDA0290	Primary Rate Interface (PRI) Card (PRI 23/PRI 30)	2	4	
	KX-TDA0484	4-Channel VoIP Gateway Card (IP-GW4E)	2	4	
	KX-TDA0490	16-Channel VoIP Gateway Card (IP-GW16)	2	4	
	Extension Cards	KX-TDA0170	8-Port Digital Hybrid Extension Card (DHL8)	4	8
		KX-TDA0171	8-Port Digital Extension Card (DLC8)	4	8
KX-TDA0172		16-Port Digital Extension Card (DLC16)	4	8	
KX-TDA0173		8-Port Single Line Telephone Extension Card (SLC8)	4	8	
KX-TDA0174		16-Port Single Line Telephone Extension Card (SLC16)	4	8	
KX-TDA0175		16-Port Single Line Telephone Extension with Message Lamp Card (MSLC16)	4	8	
KX-TDA0470		16-Channel VoIP Extension Card (IP-EXT16)	4	8	
KX-TDA0161		4-Port Doorphone Card (for KX-T30865) (DPH4)	2	4	
KX-TDA0162		2-Port Doorphone Card (for German Type) (DPH2)	4	8	
KX-TDA0164		4-Port External Input/Output Card (EIO4)	2	4	
Option Cards	KX-TDA0166	16-Channel Echo Canceller Card (ECHO16)	2	2	
	KX-TDA0168	Extension Caller ID Card (EXT-CID)	4	8	
	KX-TDA0190	Optional 3-Slot Base Card (OPB3)	2	4	
	KX-TDA0191	4-Channel Message Card (MSG4)	2	4	
	KX-TDA0410	CTI Link Card (TAPI/CSTA, 10Base-T)	1	1	
	DECT Options	KX-TDA0141CE	2-Channel Cell Station Unit Using a DHL8/DLC Card (PT-interface CS) for DECT Portable Station	16	32
		KX-TDA0142CE	4-Channel Cell Station Unit Using a CSIF Card for DECT Portable Station	16	32
		KX-TDA0143	4 Cell Station Interface Card (CSIF4)	2	4
		KX-TDA0144	8 Cell Station Interface Card (CSIF8)	2	4
	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	8	16	
Power Supply Unit	KX-TDA0103	L-Type Power Supply Unit for KX-TDA200 System	-	1	
	KX-TDA0104	M-Type Power Supply Unit for KX-TDA200/TDA100 Systems	1	1	
	KX-TDA0108	S-Type Power Supply Unit for KX-TDA100 System	1	-	
Optional SD Memory Cards	KX-TDA0820	SD Memory Card for Software Upgrade	-	-	
	KX-TDA0920	SD Memory Card for Software Upgrade to Enhanced Version	-	-	

Specifications

KX-TDA100/200
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 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): 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: 1 port RS-232C: 1 port (115.2kbps)
Structure: Free Slot style Can be accommodated into 19" Rack
Dimensions: KX-TDA100: 334mm(W) x 390mm(H) x 270mm(D) KX-TDA200: 430mm(W) x 415mm(H) x 270mm(D)
Weight (when fully mounted): KX-TDA100 : Under 12 kg KX-TDA200 : Under 16 kg

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System Feature Capacity

	KX-TDA100	KX-TDA200	
System	Tenant	8	
	Class of Service	64	
	Trunk Group	64	
	User Group	32	
	Paging Group	32	
	Call Pickup Group	64	
	Incoming Call Distribution Group	64 groups (32 extensions/group)	
	VM (DPT) Group	2 units x 24 ch	
	VM (DTMF) Group	2 groups x 32 ch	
	Queuing Time Table	64 (16 steps/table)	
	Idle Extension Hunting Group	64 groups (16 extensions/table group)	
	Absent Message (System/Extension)	8 message x 16 characters per system 1 message x 16 characters per extension	
	Message Waiting	512	
	Number of characters for Display ID	20	
	Extension Number Digit	1-4	
	Call Park Area	100	
	Conference	3x10 - 8x4	
	Verified Code	4 digits (1000 entries)	
	Verified Code Personal Identification Number (PIN)	10 digits (1000 entries)	
	Special Carrier Code	16 digits (20 entries)	
	Host PBX Access Code	10 digits (10 entries/Trunk Group)	
	Dialling	DDI/DID Table	32 digits (1000 entries)
		Emergency Call	32 digits (10 entries)
Quick Dialling		1-4 digits (80 entries)	
System Speed Dialling		32 digits (1000 entries)	
Personal Speed Dialling		32 digits (10 entry/extension)	
One-Touch Dialling		32 digits	
Hot Line		32 digits	
ISDN Service Access		32 digits	
Redial		32 digits	

	KX-TDA100	KX-TDA200
Automatic Route Selection (ARS)	Routing Plan Table	16 entries
	Leading Number Table	16 digits (1000 entries)
	Leading Number Exception Table	200 entries
	ARS Carrier	10
	Itemised Billing Code	10 digits
Networking	Authorisation Code	10 digits
	TIE Routing Table	32 entries
	Leading Digits	3 digits
	PBX Code	7 digits
Toll Restriction	Toll Restriction Level	7 levels
	Toll Restriction Denied Code	16 digits (100 entries/level)
	Toll Restriction Exception Code	16 digits (100 entries/level)
Charge Management	Charge Rate	8 digits
	Charge Denomination	3 characters
Call Log	Outgoing Call Log	0-100 log/Extension
	Incoming Call Log	0-100 log/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
- CTI (CSTA, TAPI)
- Call Park with Indication
- Call Pickup Group
- Calling Line Identification Distribution (CLI)
- 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
- 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
- VM Data Control by PBX
- VM Transfer Recall (VM Queuing Function)
- 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)
- 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
- Log-In/Log-Out
- Message Waiting
- Message Waiting with Text Message
- 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

- 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
- 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
- Closed Numbering
- DISA Call to the Network
- Network Busy Lamp Field (BLF)*3
- 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

DPT : Digital Proprietary Telephone

APT : Analogue Proprietary Telephone

SLT : Single Line Telephone

*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.