

ideas for life

KX-TDE100 **KX-TDE200**



Туре	KX-TDE100	KX-TDE200	
Total Number of Trunks	128	128	
Trunk (Physical Trunk Card)	120	128	
Trunk (Virtual Trunk Card)	32	32	
Total Number of Extensions	256	256	
Extension (Physical Extension Card)	160	256	
Extension (Virtual Extension Card)	128	128	
IP-PT and IP Softphone	64	64	
SIP Extension	128	128	

Note: For non-peer-to-peer calls via the DSP card, calls cannot be made or received when all of the card's resources are being used.

MaximumTerminal Equipment

Terminal Equipment Type	KX-TDE100	KX-TDE200	
Telephone	256	256	
SLT	96	128	
KX-T7600 series DPT	128	256 128 128 64 160	
KX-T7400 series DPT	96		
Other DPT	32		
APT	24		
IP-PT	160		
IP-PT *1 (supported by IP-EXT16 card)	96	128	
IP-PT *2 (supported by IPCMPR card)	64	64	
SIP Extension	128	128	
DSS Console	8	8	
Basic CS	32	32	
PS	128	128	
Voice Processing System (VPS)	2	2	
Doorphone	16	16	
Door Opener	16	16	
External Sensor	16	16	
External Relay	16	16	

Option List

	Model	Description			
Main Pro- cessing Card	KX-TDE0101	IP Convergence Main Processing Card (IPCMPR)			
IDOMED	KX-TDE0110	16-Channel VoIP DSP Card (DSP16)			
IPCMPR Option Cards	KX-TDE0111	64-Channel VoIP DSP Card (DSP64)			
Option carus	KX-TDA0196	Remote Card (RMT)			
	KX-NCS4104	4-Channel IP Trunk Activation Key (4 IP Trunk)			
	KX-NCS4208	8-Channel IP Softphone/IP Proprietary Telephone Activation Key (8 IP Softphone/IP PT)			
Activation Key Cards	KX-NCS4508	8-Channel IP Proprietary Telephone Activation Key (8 IP PT)			
Rey Carus	KX-NCS4716	16-Channel SIP Extension Activation Key (16 SIP Extension)			
	KX-NCS4910	Activation Key for Software Upgrade to Enhanced Version (Software Upgrade 01)			
	KX-TDA0180	8-Port Analogue Trunk Card (LCOT8)			
	KX-TDA0181	16-Port Analogue Trunk Card (LCOT16)			
Di	KX-TDA0182	8-Port DID Card (DID8)			
Physical Trunk Cards	KX-TDA0193	8-Port Caller ID Card (CID8)			
II ulik Calus	KX-TDA0290	PRI Card (PRI 23)			
	KX-TDA0484	4-Channel VoIP Gateway Card (IP-GW4E)			
	KX-TDA0490	16-Channel VoIP Gateway Card (IP-GW16)			
	KX-TDA0144	8 Cell Station Interface Card (CSIF8)			
	KX-TDA0170	8-Port Digital Hybrid Extension Card (DHLC8)			
Physical	KX-TDA0171	8-Port Digital Extension Card (DLC8)			
Extension	KX-TDA0172	16-Port Digital Extension Card (DLC16)			
Cards	KX-TDA0173	8-Port Single Line Telephone Extension Card (SLC8)			
	KX-TDA0175	16-Port Single Line Telephone Extension Card with Message Lamp Card (MSLC16			
	KX-TDA0470	16-Channel VoIP Extension Card (IP-EXT16)			
	KX-TDA0161	4-Port Doorphone Card (DPH4)			
	KX-TDA0164	4-Port External Input/Output Card (EIO4)			
Other Physical	KX-TDA0166	16-Channel Echo Canceller Card (ECH016)			
Cards	KX-TDA0168	Extension Caller ID Card (EXT-CID)			
Curus	KX-TDA0190	Optional 3-Slot Base Card (OPB3)			
	KX-TDA0191	4-Channel Message Card (MSG4)			
Power	KX-TDA0103	L-Type Power Supply Unit (PSU-L)			
Supply Units	KX-TDA0104	M-Type Power Supply Unit (PSU-M)			
(PŚÚs)	KX-TDA0108	S-Type Power Supply Unit (PSU-S)			
	KX-TDA0151	2-Channel Cell Station Unit Using a DHLC/DLC Card (PT-interface CS) for 2.4 GHz Portable Station			
tions (CSs) CSs	KX-TDA0152	3-Channel Cell Station Unit Using a CSIF Card for 2.4 GHz Portable Station			
	KX-A228	S/M-type Back-up Battery Cable			
Proprietary	KX-A229	L-type Back-up Battery Cable			
Equipment	KX-A258	Blank Slot Cover			
	KX-T30865	Doorphone			
Campatible Dan	•	· · · ·			

- Compatible Panasonic Proprietary Telephones
 The PBX supports the following telephones:
 IP proprietary telephones [e.g., KX-NT300 series]
 IP softphones [e.g., KX-NT300 series]
 IP softphones [e.g., KX-T7400 series]
 Analogue proprietary telephones [e.g., KX-T7700 series]
 Analogue proprietary telephones [e.g., KX-T7700 series]
 Portable stations [e.g., KX-T07680, KX-TD7684, KX-TD7694, KX-TD7690]
 DSS consoles [e.g., KX-T7640]
 Single line telephones [e.g., KX-T7710]

Specifications

	KY-TDE	E100/TDE200		
0	KY-LDI	Original bus (16-	bit. 8 MHz.	
Control Bus		10 megabytes pe	r second)	
Communicatio	n Bus	H.100 bus confor (1024 time slots)	mity	
Switching		Non-blocking		
	PSU-S	100 V AC to 130 V AC; 1.4 A 200 V AC to 240 V AC; 0.8 A 50 Hz/60 Hz		
Power Input	PSU-M	100 V AC to 130 V AC; 2.5 A 200 V AC to 240 V AC; 1.4 A 50 Hz/60 Hz		
	PSU-L	100 V AC to 130 V AC; 5.1 A 200 V AC to 240 V AC; 2.55 A 50 Hz/60 Hz		
External Batte	гу	+36 V DC (+12 V DC x 3, recommended maximum capacity is 28 Ah)		
Maximum Pow Tolerance		300 ms (without using backup batteries)		
Memory Backı		7 years	0 nns 20 nns	
Dialling	Trunk	Dial Pulse (DP) 1 Tone (DTMF) Dial		
Dialling	Extension	Dial Pulse (DP) 1 Tone (DTMF) Dial		
Mode Conversion		DP-DTMF, DTMF-DP		
Ring Frequenc	у	20 Hz/25 Hz (Selectable)		
Trunk Loop Lii		1600 Ω Maximum	1	
Operating	Temperature	0 °C to 40 °C		
Environment	Humidity	10 % to 90 % (non-condensing)		
Conference Ca	ll Trunk	From 10 x 3-party conference call to 4 x 8-party conference call		
Music on Hold (MOH)		2 ports (Level Control: -11 dB to + 11 dB in 1 dB steps) MOH I:External Music Source port MOH2:Selectable Internal/ External Music Source port		
	Internal	Level Control: -15 dB to + 6 dB in 3 dB steps		
Paging	External	2 ports (Volume (-15 dB to + 15 dB	Control:	
Serial Interface Port	RS-232C	1 (maximum 115.		
RJ45 Port	MNT Port	1 (for PC connection)		
KJ45 POFT	LAN Port	1 (for LAN connection)		
		SLT	1-pair wire (T, R)	
		DPT	1-pair wire (D1, D2) or 2-pair wire (T, R, D1, D2)	
Extension Connection Cable		APT	2-pair wire (T, R, D1, D2)	
		PT-interface CS (Basic)	1-pair wire (D1, D2)	
		PT-interface CS (High-Density) DSS Console and	4-pair wire (D1, D2) 1-pair wire	
		Add-on Key Module (D1, D2)		
Dimension	KX-TDE100	334 mm(W) x 390 mm(H) x 272 mm(D)		
	KX-TDE200		nm(H) x 276 mm(D)	
Weight (when KX-TDE100		Under 12 kg Under 16 kg		
fully mounted)	KX-TDE200	11 1 471		

System Feature Capacity

	Item	KX-TDE100	KX-TDE200		Item	KX-TDE100	KX-TDE200	
	Absent Message-Extension				Routing Plan Table	16 entries		
	Absent Message-System				Leading Number Table	16 digits, 1,000 entries		
	Call Park Zone	100		ARS	Leading Number Exception Table	16 digits, 200 entries		
	Conference	3-8 parties per conference (32 parties total) 64			ARS Carrier	10		
	COS				Authorization Code	10 digits		
	DID/DDI Table	32 digits, 1,000 entries			Outgoing Call Log - PT	100 records/extn. 1,520 records/system		
	Extension Number	1-5 digits (1-4 digits for PSs, 2-4 digits for extensions which have a VM [DPT] mailbox)			Outgoing Call Log - PS Incoming Call Log - PT	100 records/extn. 640 records/system 100 records/extn. 3,040 records/system		
	Extension Personal Identification Number (PIN)	10 digits, 1 er	s, 1 entry/extension Call Log and O entries/trunk group Message		Incoming Call Log - PS + Incoming Call Distribution Group	100 records/extn. or group Total 2,048 records/system		
	Host PBX Access Code	10 digits, 10 enti			Message Waiting - PS + Incoming Call Distribution Group	256		
	Number of the Characters of Name	20		Waiting				
	Printing Message	8			Message Waiting - PT + SLT	512		
ystem	Queuing Time Table	6	4		Outgoing Message (OGM)		64	
	Ring Tone Pattern Plan	8			OGM Total Recording Time	8 m	8 minutes	
	SMDR Call Storage	200 calls 16 digits, 20 entries			Proprietary Voice Mail Systems	2 TVM System (max. 24 ports each)		
	Special Carrier Access Code			Voice Message	Trophictary voice man systems			
	Tenant		8		DTMF Voice Mail Systems	2 Systems		
	Time Service Holiday	2	4		DTMI Voice Mait Systems	2 Systems		
	Verification Code	4 digits, 1,0	000 entries		TIE Line Routing and Modification Table	32 entries		
	Verification Code Personal	10 digite 1	10 digits, 1,000 entries		Leading Number	3 digits		
	Identification Number (PIN)	To digits, 1,000 entries		Networking	PBX Code	7 digits		
	Emergency Call	32 digits,		INCOMOLKING	NDSS:Monitored PBXs	8		
	Hot Line	32 d	J .		NDSS:Registered Extensions	250		
	Key Pad Protocol Dial (ISDN Service Access)	32 d			for Monitor PBX			
Dialling	Personal Speed Dialling	32 digits, 100		сті	PC Console	8		
	Quick Dialling	8 digits, 4,0	080 entries	011	PC Phone	64	128	
	Redial	32 d						
	System Speed Dialling		entries/tenant					
	Broadcasting Group	8 (32 memb						
	Call Pickup Group	6						
	Idle Extension Hunting Group		sions/group)					
	Incoming Call Distribution Group	128 (32 exten						
roups	Paging Group	3	2	1				

Feature List

1. Call Handling Features

PS Ring Group Trunk Group VM (DPT) Group

VM (DTMF) Group

TRS/Barring Level

TRS/Barring Denied Code

TRS/Barring Exception Code

TRS/ Barring

- Incoming Call Features
 Incoming Trunk Call Features

 Direct In Line (DIL)

 Direct Inward Dialling (DID)/Direct Dialling In (DDI)

 Calling Line Identification (CLI) Distribution
 Intercept Routing
 Intercept Routing-No Destination
 Internal Call Features
 Internal Call Fleatures

- Internal Call Block
 Incoming Call Indication Features
 Ring Tone Pattern Selection
 Call Waiting

Catl Waiting
Receiving Group Features
Idle Extension Hunting
Incoming Catl Distribution Group Features
 Group Catl Distribution
 Outside Destinations in Incoming Catl
Distribution Group
 Queuing Feature
 VIP Catl
 Overflow Feature
 Longing Longuit

Log-in/Log-out Supervisory Feature Call Distribution Port Group

- Call Forwarding (FWDI/
 Do Not Disturb (DND) Features

 Call Forwarding (FWD)
 Do Not Disturb (DND)
 FWD/DND Button, Group FWD Button

Answering Features

- Line Preference-IncomingCall PickupHands-Free Answerback

Making Call Features
Predialling
Automatic Extension Release
Intercom Call
Trunk Call Features

- Emergancy Call

- Trunk Call Features

 Emergency Call

 Account Code Entry
 Dial Type Selection
 Trunk Busy Out
 Pause Insertion
 Host PBX Access Code (Access Code to the Telephone Company from a Host PBX)
 Special Carrier Access Code
 Line Preference Outgoing
 Trunk Access

 Mannary Risilling Features

- Memory Dialling Features

 One-Touch Dialling

 KX-T7710 One touch Dialling

 Last Number Redial
- Speed Dialling Personal/System

 Quick Dialling

Primary Directory Number (PDN)/ Secondary Directory Number (SDN) Features Busy Line/Busy Party Features Automatic Callback Busy (Camp-on) Executive Busy Override Call Monitor Second Call Notification to Busy Extension • Call Waiting Tone • Off-Hook Call Announcement (OHCA)

64 2 groups x 12 ports (24 channels)

2 groups x 32 channels

16 digits, 100 entries/level 16 digits, 100 entries/level

- Whisper OHCA

• Winsper URLA
Toll Restriction (TRS)/
Call Barring (Barring) Features
Toll Restriction (TRS)/Call Barring (Barring)
Budget Management
Extension Dial Lock

Dial Tone Transfer Walking COS Verification Code Entry

Automatic Route Selection (ARS) Features **Conversation Features**

Hands-Free Operation Off-Hook Monitor

Off-Hook Monitor Mute Headset Operation Data Line Security Flash/Recall/Terminate External Feature Access (EFA)

Trunk Call Limitation
Paralleled Telephone
Calling Party Control (CPC) Signal
Detection

Transferring Features

Call Transfe

Holding Features Call Hold Call Park

Call Splitting Music on Hold

Conference Features

- Conference
 Privacy Release

Paging Features Broadcasting Features

Optional Device Features
Doorphone Call
Door Open
Trunk Answer From Any Station (TAFAS)
Background Music (BGM)
Outgoing Message (OGM)
Direct Inward System Access (DISA)
External Sensor

External Relay Control

Caller ID Features Caller ID Incoming Call Log

Message Features Message Waiting Absent Message

Proprietary Telephone (PT) Features

Flexible Buttons LED Indication Display Information

Integrated Services Digital Network (ISDN)

- Service Features

 Calling/Connected Line Identification Presentation (CLIP/COLP)
- Completion of Calls to Busy Subscriber (CCBS)
 ISDN Service Access by Keypad Protocol

Voice Message Features Built-in Simplified Voice Message (SVM) Voice Mail Features

- Voice Mail (VM) Group
 Voice Mail DTMF Integration
 Voice Mail DPT (Digital) Integration

Portable Station (PS) Features Portable Station (PS) Connection PS Ring Group

PS Directory PS Feature Buttons

Wireless XDP Parallel Mode Virtual PS

Administrative Information Features

Record Log Features
• Station Message Detail Recording (SMDR)
• Syslog Record Management
Printing Message

Hospitality Features Room Status Control

Extension Controlling Features Extension Personal Identification Number (PIN)

- Extension Feature Clear
- Walking Extension Features

 Walking Extension

 Enhanced Walking Extension
 Timed Reminder

Audible Tone Features

Confirmation Tone

- Networking Features
 Voice over Internet Protocol (VoIP) Network
 Virtual Private Network (VPN)
 OSIG Standard Features
 Calling/Connected Line Identification
 Presentation (CLIP/COLP) and
 Calling/Connected Name Identification
 Presentation (CNIP/CONP) by QSIG365
 Call Fowarding (CF) by QSIG
 Call Transfer (CT) by QSIG
 Completion of Calls to Busy Subscriber
 (CCBS) by QSIG
 OSIG Enhanced Features
 Network Direct Station Selection (NDSS)

- Network Direct Station Selection (NDSS)
 Centralized Voice Mail
 Network ICD Group
 PS Roaming by Network ICD Group

IP Telephone Features
IP Proprietary Telephone (IP-PT)
SIP (Session Initiation Protocol) Extension
Peer-to-Peer Connection
Self Labelling (KX-NT366 Only)

Computer Telephony Integration (CTI)

Computer Telephony Integration (CTI) PC Phone/PC Console

Cellular Phone Features

2. System Configuration and **Administration Features**

System Configuration - Hardware Extension Port Configuration

System Configuration - Software Class of Service (COS)

Group
Tenant Service
Time Service
Operator Features
Manager Features

System Data Control
PC Programming
PT Programming
Password Security

Password Security
Quick Setup
Automatic Setup
Flexible Numbering/Fixed Numbering
Floating Extension
Software Upgrading

Fault Recovery/Diagnostics
Power Failure Transfer
Power Failure Restart
Local Alarm Information

Local Alarm Information Simple Network Management Protocol (SNMP) System Monitor Dynamic Host Configuration Protocol (DHCP) Assignment Packet Internet Groper (PING) Confirmation