

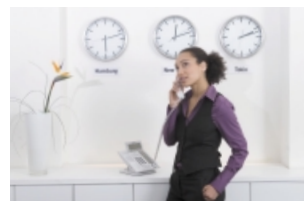


## Full IP and Expandable Office Communication System

The Panasonic KX-TDE600 builds on the "Pure IP PBX" converged model as in KX-TDE100/200.

As an advanced communication platforms for IP networking Environments, Supporting network as well as desktop SIP connectivity, the convergence ready KX-TDE products support a range of advanced IP telephones as well as digital extensions and ISDN trunks. Built as a business application environment and bundled with important business telephony applications – the KX-TDE systems can easily address your business communication needs well into the 21st Century.

Targeting Medium to Large businesses, single site or multiple offices, the TDE600 is a welcome member to the family to support customer needs.



The new KX-TDE600 IP PBXs are packed with features and applications that can enhance your business productivity and have a direct impact on your business communication bottom line.

## The key benefits of TDE600

- ▶ **Support small to large communication system.**  
Up to maximum 992 (with DXDP 1152) Extensions
- ▶ **Built-in support for Advanced IP extensions as well as standard SIP phones.**
- ▶ **Easy Migration to IP**  
Upgrade from KX-TDA to KX-TDE, simply by exchanging the Main Processor Card.
- ▶ **SIP trunking**  
Integrated SIP telephony via ITSPs\* and other SIP trunk Providers.
- ▶ **Panasonic Phone Assistant CTI software with TDE600.**  
It is a high intuitive PC Based application suit that blend powerful point and click telephony.
- ▶ **Wireless Mobility Solutions.**  
TDE support KX-TCAseries for DECT, KX-TDseries for 2.4GHz.
- ▶ **Built-in and Optional Voice Mail Processing system**  
Optional Cards:  
ESVM2 KX-TDA0192 2ch SVM, 2ch DISA (250message, 120minutes),  
ESVM4 KX-TDA0194 2X2ch SVM, 4ch DISA (2x250message, 120minutes)  
External :  
KX-TVM50 (2- 6Channels 4-8hours),  
KX-TVM200 (0-24Channels 1000hours),
- ▶ **Reduced Total Cost of Ownership**  
(Installation & Network call costs reduced)

Enhance your business with an integrated SIP solution designed to meet your ever changing needs, with wireless mobility, productivity applications, network solutions and a common infrastructure that supports companies with distributed and geographically diverse office locations and helps connect all your users with customers wherever they may be.

\* ITSP : Internet Telephony Service Providers

## System Capacity

### Maximum Trunks and Extensions

The PBX supports the following number of trunks and extensions.

Type	Basic System	2-shelf System	3-shelf System	4-shelf System
Total Number of Trunks	192	352	512	640
Trunk (Physical Trunk Card)	160	320	480	640
Trunk (Virtual Trunk Card)			32	
Total Number of Extensions	432	736	1008	1152
Extension (Physical Extension Card)	304	608	880	1120
PT	256	512	640 <sup>*1</sup>	640 <sup>*1</sup>
SLT	240	480	720	960
Extension (Virtual Extension Card)			128	
IP-PT and IP Softphone			64	
SIP Extension			128	

<sup>\*1</sup> The maximum number of PTs in the whole system is limited to 640.

**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.

### Maximum Terminal Equipment

The following number of items of terminal equipment can be supported by the PBX.

Terminal Equipment Type	Basic System	2-shelf System	3-shelf System	4-shelf System
Telephone (using Digital XDP)	368 (432) <sup>*1</sup>	608 (736) <sup>*1</sup>	848 (1008) <sup>*1</sup>	992 (1152) <sup>*1</sup>
SLT	240	480	720	960
KX-DT300/KX-T7600 series DPT	256	512	640	640
Other DPT	128	256	384	512
APT	80	160	240	320
IP-PT	224	384	544	672
IP-PT <sup>*2</sup> (supported by IP-EXT16 card)	160	320	480	640
IP-PT <sup>*3</sup> (supported by IP-CEMPR card)			64	
SIP Extension			128	
DSS console			64	
CS	32	64	96	128
High-density CS	16	32	48	64
PS			512	
Voice Processing System (VPS) <sup>*4</sup>			8	
Doorphone	16	32	48	64
Door Opener	16	32	48	64
External Sensor	16	32	48	64
External Relay	16	32	48	64

<sup>\*1</sup> Even when Digital XDP is used, each shelf supports a maximum of 256 KX-DT300/KX-T7600 series DPTs.

<sup>\*2</sup> KX-NT300 series (except KX-NT366/KX-NT305), KX-NT265, and KX-NT136

<sup>\*3</sup> KX-NT300 series and KX-NT265 (software version 2.00 or later only)

<sup>\*4</sup> Only a single VPS can be connected to one optional service card.



Line-up :  
KX-TDE600 and the optional Expansion Shelf KX-TDE620 (Max3)

## Option list for TDE600

Category	Model No.	Description	
Main Processing Card	KX-TDE6101	IP Convergence Main Processing Card (IPCEMPR)	
IPCEMPR Optional Cards	KX-TDE0105	Memory Expansion Card (IPCEMC)	
	KX-TDE0110	16-Channel VoIP DSP Card (DSP16)	
	KX-TDE0111	64-Channel VoIP DSP Card (DSP64)	
	KX-TDA0196	Remote Card (RMT)	
	KX-TDA6110	Bus Master Card (BUS-M)	
Optional Shelf Expansion Cards	KX-TDA6111	Bus Master Expansion Card (BUS-ME)	
Expansion Shelf	KX-TDE620	Expansion Shelf	
Mounting Kit	KX-TDA6201	Mounting Kit for expanding to a 3-or 4-shelf System	
Activation Key	KX-NCS4102	2-Channel IP Trunk Activation Key (2 IP Trunk)	
	KX-NCS4104	4-Channel IP Trunk Activation Key (4 IP Trunk)	
	KX-NCS4201	1-Channel IP Softphone/IP Proprietary Telephone Activation Key (1 IP Softphone/IP PT)	
	KX-NCS4204	4-Channel IP Softphone/IP Proprietary Telephone Activation Key (4 IP Softphone/IP PT)	
	KX-NCS4208	8-Channel IP Softphone/IP Proprietary Telephone Activation Key (8 IP Softphone/IP PT)	
	KX-NCS4216	16-Channel IP Softphone/IP Proprietary Telephone Activation Key (16 IP Softphone/IP PT)	
	KX-NCS4501	1-Channel IP Proprietary Telephone Activation Key (1 IP PT)	
	KX-NCS4504	4-Channel IP Proprietary Telephone Activation Key (4 IP PT)	
	KX-NCS4508	8-Channel IP Proprietary Telephone Activation Key (8 IP PT)	
	KX-NCS4516	16-Channel IP Proprietary Telephone Activation Key (16 IP PT)	
	KX-NCS4701	1-Channel SIP Extension Activation Key (1 SIP Extension)	
	KX-NCS4704	4-Channel SIP Extension Activation Key (4 SIP Extension)	
	KX-NCS4708	8-Channel SIP Extension Activation Key (8 SIP Extension)	
	KX-NCS4716	16-Channel SIP Extension Activation Key (16 SIP Extension)	
	KX-NCS4950	Activation Key for Software Upgrade to Enhanced Version (Software Upgrade 01)	
	Physical Trunk Cards	KX-TDA0182	8-Port 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-TDA0189		8-Port Caller ID/Pay Tone Card (CID/PAV8)	
KX-TDA0193		8-Port Caller ID Card (CID8)	
KX-TDA0284		4-Port BRI Card (BRI4)	
KX-TDA0288		8-Port BRI Card (BRI8)	
KX-TDA0290CE		PRI Card (PRI30)	
KX-TDA0290CJ		PRI Card (PRI30)	
KX-TDA0290		PRI Card (PRI23)	
KX-TDA0484		4-Channel VoIP Gateway Card (IP-GW4E)	
KX-TDA0490		16-Channel VoIP Gateway Card (IP-GW16)	
KX-TDA6181		16-Port Analogue Trunk Card (ELC0T16)	
Physical Extension Cards		KX-TDA0143	4 Cell Station Interface Card (CSIF4)
		KX-TDA0144	8 Cell Station Interface Card (CSIF8)
		KX-TDA0170	8-Port Digital Hybrid Extension Card (DHL8C)
		KX-TDA0171	8-Port Digital Extension Card (DLC8)
		KX-TDA0172	16-Port Digital Extension Card (DLC16)
		KX-TDA0173	8-Port Single Line Telephone Extension Card (SLC8)
	KX-TDA0177	16-Port Single Line Telephone Extension Card with Caller ID (CSLC16)	
	KX-TDA0470	16-Channel VoIP Extension Card (IP-EXT16)	
	KX-TDA6174	16-Port Single Line Telephone Extension Card (ESLC16)	
	KX-TDA6175	16-Port Single Line Telephone Extension with Message Lamp Card (EMSLC16)	
	KX-TDA6178	24-Port Single Line Telephone Extension Card with Caller ID (ECSLC24)	
	Other Physical Cards	KX-TDA0161	4-Port Doorphone Card (DPH4)
		KX-TDA0162	2-Port Doorphone Card (German Type)(DPH2)
		KX-TDA0164	4-Port External Input/Output Card (EI04)
KX-TDA0168		Extension Caller ID Card (EXT-CID)	
KX-TDA0190		Optional 3-Slot Base Card (OPB3)	
KX-TDA0191		4-Channel Message Card (MSG4)	
KX-TDA0192		2-Channel Simplified Voice Message Card (ESVM2)	
KX-TDA0194		4-Channel Simplified Voice Message Card (ESVM4)	
Power Supply Units (PSUs)	KX-TDA6166	16-Channel Echo Canceller Card (ECHO16)	
	KX-TDA0103	L-Type Power Supply Unit (PSU-L)	
Cell Stations (CSs)	KX-TDA0104	M-Type Power Supply Unit (PSU-M)	
	DECT	KX-TDA0141CE	2-Channel Cell Station Unit Using a DHL/DLC Card (PT-interface CS) for DECT Portable Station
		KX-TDA0142CE	4-Channel Cell Station Unit Using a CSIF Card for DECT Portable Station
Proprietary Equipment	KX-TDA0158CE	8-Channel High-density Cell Station Unit Using a DHL/DLC Card (PT-interface CS) for DECT Portable Station	
	KX-A228	S/M-type Back-up Battery Cable	
	KX-A229	L-type Back-up Battery Cable	
	KX-A258	Blank Slot Cover	
Telephones	KX-T7765	Doorphone	
	KX-NT300Series	KX-NT366/346/343/321 Option KX-NT305/303 and NT307	
	KX-DT300Series	KX-DT346/343/333/321 Option KX-DT390/DT301/NT303 and NT307	
	KX-T76Series	KX-T7636/33/30/25/65/67/68 and Option T7640, T7603 and T7601	
	KX-T77Series	KX-T7735/30/50/20 and Option T7740	