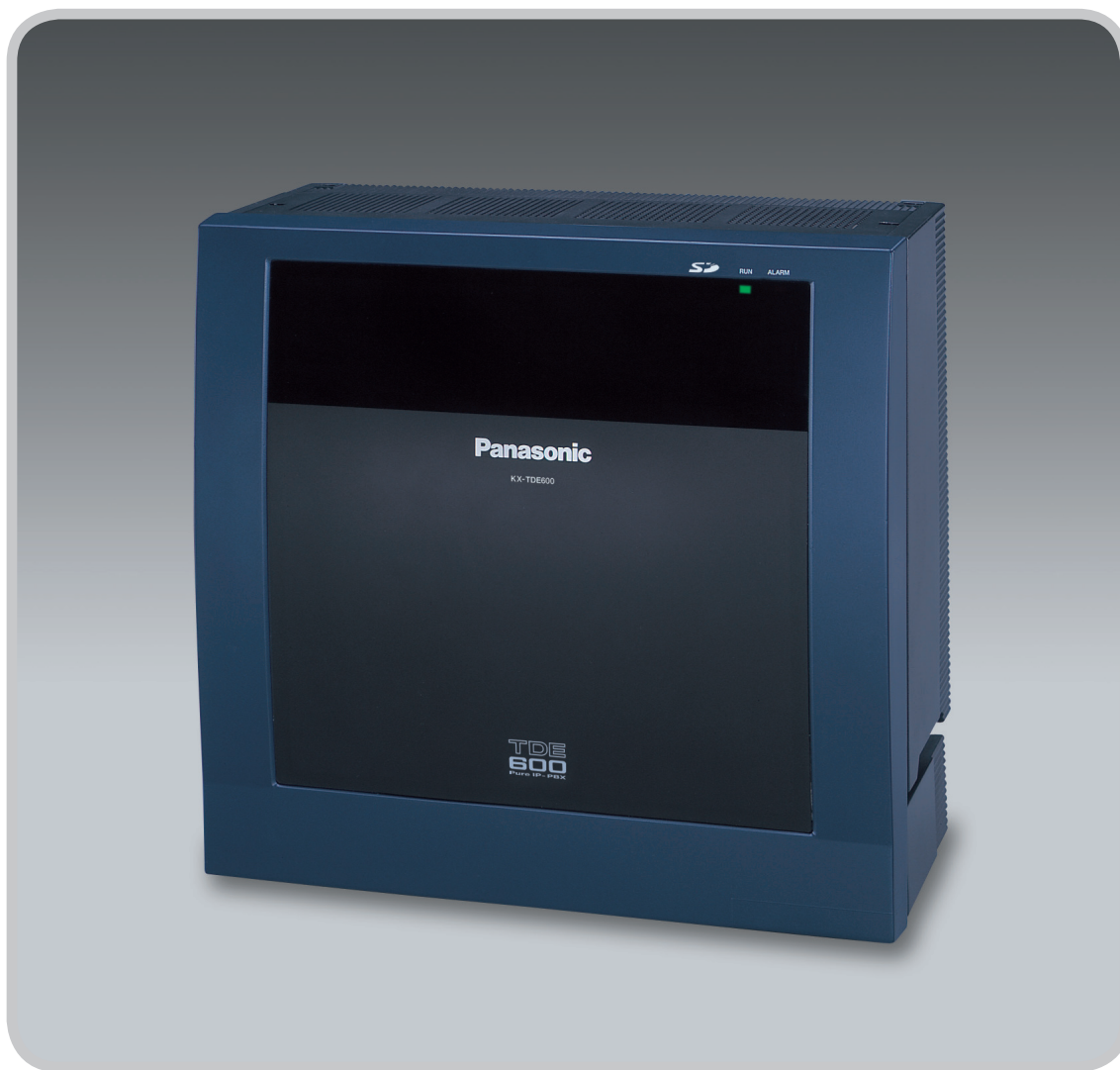


PANASONIC COMMUNICATION SYSTEMS KX-TDE600 CONVERGED IP-PBX SYSTEMS AND VOICE PROCESSING SYSTEMS PRODUCT CATALOG


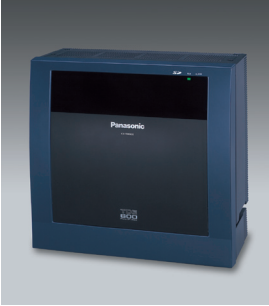



















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PRODUCT CATALOG












Effective Date October 2011





Supersedes all Previous Catalogs

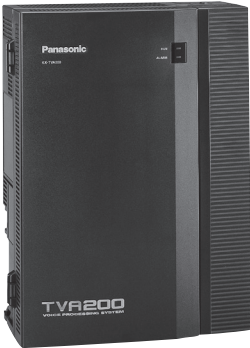
Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
CONTROL UNITS				
*****IMPORTANT*****				
	<p>The KX-TDE600 is a certified dealer model. This model must be registered and may require activation keys. Only dealers who have successfully completed the KX-TDE Technical Training course, have a valid KX-TDE certification number and meet the yearly purchase requirements outlined in the Panasonic dealer agreement can activate these systems.</p>			
KX-TDE600  	BASIC SHELF (MAIN UNIT) Contains: 1 Shelf with 10 Free Slots 1 Main Processor Unit-(Power Supply Not Included) 1 SD Card Features <ul style="list-style-type: none"> • Multi-Cell Wireless • VOIP Gateway with QSIG (Enhanced System Networking) • VOIP Extensions • PC-Based Programming • DXDP (Digital Extra Device Port) • Automatic Route Selection (ARS) • Toll Restriction • Caller ID (Name & Number) • ISDN Primary Rate Interface (PRI) with QSIG and T1 • Voice Mail Integration • Enhanced System Networking • Uniform Call Distribution (UCD) • Direct Inward System Access (DISA) • Gateway is built into the DSP, no need for the IP Gateway Card • IP Address is built into the MPR, no need for an additional CTI Link Card for remote programming or integration to the phone assistant <p>For system capacity please see pp. 17 and 18, Charts 1, 2, 3 and 4.</p>	1	26.7 lbs.	851775
KX-TDA620  	EXPANSION SHELF Contains: 1 Shelf with 11 Free Slots and 1 BUS-S card. A maximum of 3 KX-TDA620 expansion shelves can be connected to the KX-TDA600/TDE600 basic shelf. Requires that a BUS-M (KX-TDA6110) and a BUS-ME (KX-TDA6111) cards to be installed in the KX-TDA600/TDE600 basic shelf. Power supply not included.	1	25.5 lbs.	851867
KX-TDE620  	EXPANSION SHELF Contains: 1 Shelf with 11 Free Slots and 1 BUS-S card. A maximum of 3 KX-TDE620 expansion shelves can be connected to the KX-TDA600/TDE600 basic shelf. Requires that a BUS-M (KX-TDA6110) and a BUS-ME (KX-TDA6111) cards to be installed in the KX-TDA600/TDE600 basic shelf. Power supply not included.	1	25.5 lbs.	851867
MOUNTING HARDWARE				
KX-TDA6201 	WALL BRACING KIT For securing KX-TDA600/TDE600 and KX-TDA620 to a wall, recommended for 2, 3, 4 shelf systems.	1	15.0 lbs.	851850
KX-A242X 	19" BRACKET FOR THE KX-TDA600/TDE600 For mounting the KX-TDA600/TDE600 cabinet in a 19" rack.	1	1.52 lbs.	85110-2











Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
POWER SUPPLIES (1 REQUIRED PER CABINET)				
KX-TDA0103 	L-TYPE POWER SUPPLY Large plug in system power supply for use in the KX-TDE600 and KX-TDA620.	1	7.58 lbs.	85020-4
KX-TDA0104 	M-TYPE POWER SUPPLY Medium plug in system power supply for use in the KX-TDE600 and KX-TDA620/TDE620.	1	6.92 lbs.	85021-1
KX-TDE MPR CARD (FOR UPGRADING A TDA600 TO TDE600)				
KX-TDE6101 	ENHANCED MPR CARD FOR TDA600 LAN CAPABILITY 2 channel built-in voice messaging feature	1	1.93 lbs.	852697
IPCMR OPTIONS (REQUIRED FOR VIRTUAL EXTENSION PORTS)				
KX-TDE0110 	16-CHANNEL VOIP DSP CARD (DSP16) 16-channel digital signal processor card with one SHGW4 activation key and one IPPT8 activation key preinstalled. Compliant with ITU-T G.729a and G.711 CODEC methods. To be mounted on the IPCMR card.	3	1.82 lbs.	85191-1
KX-TDE0111 	64-CHANNEL VOIP DSP CARD (DSP64) 64-channel digital signal processor card with four SHGW4 activation keys and four IPPT8 activation keys preinstalled. Compliant with ITU-T G.729a and G.711 CODEC methods. To be mounted on the IPCMR card.	3	1.81 lbs.	85192-8
EXPANSION CARDS AND ACCESSORIES				
MULTI-CELL WIRELESS CARDS				
KX-TDA0143 	4-PORT CELL STATION INTERFACE CARD (CSIF4) Required for multi-cell operation when using the (KX-TDA0152 and KX-TDA0156) Cell Stations. Supports up to 4 (KX-TDA0152 and KX-TDA0156) Cell Stations. One card requires one free slot.	3	1.06 lbs.	85119-5
KX-TDA0144 	8-PORT CELL STATION INTERFACE CARD (CSIF8) Required for multi-cell operation when using the (KX-TDA0152 and KX-TDA0156) Cell Stations. Supports up to 8 Cell Stations (KX-TDA0156). 1 card requires 1 free slot.	3	3.81 lbs.	85024-2
STATION CARDS				
KX-TDA0170 	8-PORT DIGITAL HYBRID LINE CARD (DHLC8) 8 ports per card. Supports KX-T7600, KX-T7400 (DPT), KX-T7700 (APT) and KX-DT Series Telephones. Single Line (SLT), DSS console and KX-T0151, KX-T0155 and KX-T0158 Port Cell Stations. 2 ports provide power failure transfer. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	4.45 lbs.	85027-3
KX-TDA0172 	16-PORT DIGITAL LINE CARD (DLC16) 16 ports per card. Supports KX-T7600, KX-T7400 (DPT) and KX-DT Series Telephones, DSS consoles and KX-T0151, KX-T0155, and KX-T0158 Cell Stations. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	4.32 lbs.	85029-7
KX-TDA0175 	16-PORT SINGLE LINE EXTENSION CARD WITH MESSAGE WAITING 16 ports per card. Supports Single Line Telephones with and without Message waiting lights. 4 ports are equipped with power failure transfer. Also equipped with 16 DTMF receivers. 1 card requires 1 free slot.	3	4.69 lbs.	85032-7

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-TDA0177 	16-PORT SLT W/ CID CARD 16 ports per card. Supports Single Line Telephones with caller ID. 4 ports are equipped with power failure transfer. Also equipped with 16 DTMF receivers. 1 card requires 1 free slot.	3	4.3lbs	85200-0
KX-TDA0470 	16-CHANNEL IP EXTENSION CARD (IP - EXT16) The KX-TDA0470 is required when using IP Telephones (KX-NT136, KX-NT265, KX-NT343, KX-NT346, and IP softphone). Each KX-TDA0470 card requires one free slot and supports up to 16 IP extensions. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	1	1.10 lbs.	85128-7
KX-TDA6174 	16-PORT SINGLE LINE CARD (ESLC16) 16 ports per card. Supports single line telephones (SLT). 4 ports are equipped with power failure transfer and 16 DTMF receivers. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	4.6 lbs.	851829
KX-TDA6175 	16-PORT SINGLE LINE CARD WITH MESSAGE WAITING (EMSLC16) 16 ports per card. Supports Single Line Telephones with and without Message waiting lights. 4 ports are equipped with power failure transfer. Also equipped with 16 DTMF receivers. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	4.61 lbs.	851836
KX-TDA6178 	24- PORT SLT CARD W/CID ECSLC24 24 ports per card, supports caller ID compatible single line telephones (SLT) . Includes 4 power failure circuits. One Card requires one free slot. This card can only be installed on shelves that are equipped with a KX-TDA0103 L-Type power supply.	3	1.9lbs	852338
CENTRAL OFFICE CARDS				
KX-TDA0187 	T1 TRUNK CARD (T1) 24 ports per card. Channels assignable as LCO, GCO, DID, OPX or TIE (E&M). ANI and DID Supported. External Channel Service Unit (CSU) required. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	3.46 lbs.	85036-5
KX-TDA0290 	ISDN PRIMARY RATE INTERFACE (PRI 23) 23 ports per card. 23 B channels + 1 D channel. External Channel Service Unit (CSU) required. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	3.48 lbs.	85041-9
KX-TDA0484 	4-CHANNEL IP GATEWAY CARD (IP-GW4) Supports up to 4 IP connections for TDA/TDE system networking. H.323V.2, ITU-T, G.711 G729a and G.723.1 compliant. Web programming LAN interface 10 base T/100BASE T. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	1	1.79 lbs.	85120-1
KX-TDA0490 	16-CHANNEL IP GATEWAY CARD (IP GW16) Supports up to 16 IP connections for TDA/TDE system networking. H. 323V.2, ITU-T, G711, G729a and G.723.1 compliant. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	1	1.20 lbs.	85129-4
KX-TDA6181 	16-PORT LOOP START CO TRUNK CARD (ELCOT16) 16 ports per card. 4 ports have power failure transfer. 1 card requires 1 free slot. Up to two optional (KX-TDA0193) 8 port caller ID cards can be mounted to support caller ID. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	4.22 lbs.	851843

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
RESOURCE AND FEATURE CARDS				
KX-A258 	BLANK SLOT COVER Optional metal panel to cover unused free slots. One panel covers one slot. 5 panels per package.	3	3.48 lbs.	85066-2
KX-TDE0105 	6 MB MEMORY EXPANSION CARD (IPC MEC) FOR TDE600 Memory Expansion Card for IPCEMPR. This card expands capacity of the Hotel - SMDR call storage for check-out from 4000 to 8000 calls and expands SMDR call storage from 1000 to 4000 calls.	—	—	—
KX-TDA0161 	4-PORT DOORPHONE CARD (DPH4) Required to connect doorphones (KX-T30865, KX-T7775 and video door intercom systems VL-GM201A and VL-GM301A). Supports up to 4 doorphones and door opener relays. Mounts on the KX-TDA0190 (OPB3) card. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	1.65 lbs.	85025-9
KX-TDA0164 	4 EIO CARD (EIO4) Mounts on the KX-TDA0190 Optional 3-Slot Base card (OPB3). Contains 4 dry contact that allow you to control external devises such as a door strike or an automatic garage door-opener. You can also connect up to 4 external sensor devises.	3	.44 lbs.	85126-3
KX-TDA0168 	SINGLE LINE EXTENSION CALLER CARD (SLT CID) Mounts on the KX-TDA0173 8 Port Single Line Extension Card (SLC8) only. Allows the system to pass caller ID information to single line devices. Requires TDA version 2 software or higher. Supports Bell/ETSI FSK only	3	.33 lbs.	85127-0
KX-TDA0190 	OPTIONAL 3-SLOT BASE CARD (OPB3) This card is equipped with 3 connectors to receive the following option cards: 4 Channel Message Card (MSG4), 4-Port Doorphone Card (DPH4), and 4 EIO card (EIO4). Requires 1 slot. Mounts in the optional card slot or a free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	3.46 lbs.	85037-2
KX-TDA0191 	4-CHANNEL MESSAGE CARD (MSG4) Provides 4 ports for outgoing messages for DISA, Queuing, Wake-Up and internal hold melody. A maximum of 64 messages can be recorded with a maximum total recording time of 8 minutes. Mounted on the KX-TDA0190 (OPB3) card. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	1.43 lbs.	85038-9
KX-TDA0193 	8-PORT CALLER ID CARD (CID8) Required to receive Caller ID information from the CO. Each KX-TDA0193 activates caller ID on 8 CO lines. Mounts on the TDA6181 Loop Start CO Card. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	1.47 lbs.	85039-6
KX-TDA0194 	4-CHANNEL ENHANCED MESSAGE CARD (ESVM4) 4-Channel Simplified Voice Message Card for built-in simplified voice message feature also supports MSG card features. To be mounted on OPB3 Card.	3	1.63 lbs	85205-5
KX-TDA0196 	REMOTE CARD Analog modem card for remote communication. V.90 support. Mounts on the main processor card (IPCMPR) Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	1.23 lbs.	85040-2
KX-TDA6166 	16-PORT ECHO CANCELLATION CARD (EECHO16) Provides echo cancellation for conference calls for up to 16 ports. 1 card requires 1 free slot. Please refer to Charts 1, 2, 3 and 4 prior to configuring a system.	3	3.48 lbs.	851812

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
SHELF EXPANSION CARDS				
KX-TDA6110 	BUS-M CARD One card required to connect the Basic Shelf, KX-TDE600, to the first expansion shelf, KX-TDE620, which mounts in the KX-TDE600. Supports up to two KX-TDA6111 BUS-ME cards which are required for a second or third expansion shelf.	3	7.2 lbs.	851799
KX-TDA6111 	BUS-ME CARD Optional shelf expansion card. Mounts on the KX-TDA6110 BUS-M card. Required, one each, for a second or third KX-TDE620 expansion shelf. KX-TDE600 Bus cables included with card.	3	5.56 lbs.	851805
OPTIONAL SYSTEM SOFTWARE				
KX-TDES61 	SD CARD FOR ENCRYPTION Encrypts the voice packets providing a secure IP voice communications over the network using KX-NT300 series telephones. 1 required per system.	1	1.58lbs.	85199-7
KX-TVA VOICE PROCESSING SYSTEM CONTROL UNITS				
KX-TVA50 	BASIC CABINET: The KX-TVA50 is a Voice Processing system that supports both Voice Mail and Automated Attendant Service. The system can be installed using DPITS, APITS and In-band Integration. The basic cabinet is configured as follows: <ul style="list-style-type: none"> • 2 ports expandable to 6 ports using ether the KX-TVA502 or the KX-TVA503 Cards • 4 hours of storage expandable to 8 hours using the KX-TVA524 • 64 Mailboxes • 1 USB port Major Features <ul style="list-style-type: none"> • Automated Attendant Service • Email Integration • Windows Based PC Programmable (On Site and Remote) • Optional Built-in Remote Modem Card • Proprietary Telephone Voice Mail Menu • Live Call Screening • Intercom Paging • Interview Service • Multi-lingual Voice Prompts • Paging Notification with Call Back Number • Variable playback volume/speed with pause • Two-way record. • Personal Greeting For Caller ID • Caller ID Call Routing and Name Announce 	1	6.91 lbs.	85146-1




Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
	BASIC CABINET: The KX-TVA200 is a Voice Processing system that supports both Voice Mail and Auto Attendant services. The system can be installed using DPITS. The basic cabinet is initially configured as follows : <ul style="list-style-type: none"> • 4 ports expandable to 24 ports using KX-TVA204 Cards • 1000 hours of Storage • 1024 Mailboxes • USB port 	1	12.28 lbs.	85143-0
	Major Features <ul style="list-style-type: none"> • Automated Attendant Service • Email Integration • Windows Based PC Programmable (On Site and Remote) • Optional Built-in Remote Modem Card • Proprietary Telephone Voice Mail Menu • Live Call Screening • Intercom Paging • Interview Service • Multi-lingual Voice Prompts • Paging Notification with Call Back Number • Variable playback volume/speed with pause • Two-way record • In-band Integration • Personal Greeting For Caller ID • Caller ID Call Routing and Name Announce 			
KX-TVA50, KX-TVA200 & KX-NCV200 EXPANSION AND FEATURE CARDS				
KX-TVA502	2 PORT DPT/APT/SLT INTERFACE CARD For use with the KX-TVA50 only. Supports DPITS, APITS and In-band integration. Expands the port capacity of the system by 2 ports. A maximum of 2 cards can be installed in the KX-TVA50.	3	0.61 lbs.	85147-8
KX-TVA503	2 PORT DPT INTERFACE CARD For use with the KX-TVA50 only. Supports DPITS integration only. Expands the port capacity of the system by 2 ports. A maximum of 2 cards can be installed in the KX-TVA50.	3	0.61 lbs.	85148-5
KX-TVA524	4 HOUR MEMORY EXPANSION CARD For use with the KX-TVA50 only. Expands the storage capacity of the KX-TVA50 by 4 hours. Maximum of one card can be installed per system.	3	0.28 lbs.	85149-2
KX-TVA594	LAN I/F CARD FOR USE WITH THE KX-TVA50 ONLY Required to connect the KX-TVA50 to a wide or local area network Provides messaging from the TVA system to a subscribers email.	3	0.33 lbs.	85150-8
KX-TVA204	4 PORT DPT INTERFACE CARD For use with the KX-TVA200 only. Supports DPITS integration only. Expands the port capacity of the system by 4 ports. A maximum of 5 cards can be installed in the KX-TVA200 or KX-NCV200.	3	0.75 lbs.	85144-7
KX-TVA296	REMOTE MODEM CARD Modem card for use in the KX-TVA50, KX-TVA200, & KX-NCV200. Required for remote programming and administration. Maximum of one per system.	3	0.36 lbs.	85145-4
MOUNTING HARDWARE FOR KX-TVA AND KX-NCV CONTROL UNITS				
KX-A249	19" RACKMOUNT BRACKET FOR THE KX-TVA50 For mounting the KX-TVA50 into a 19" rack.	3	2.10 lbs.	85160-7
KX-A244X	19" RACKMOUNT BRACKET FOR THE KX-TVA200 & KX-NCV200 For mounting the KX-TVA200 or the KX-NCV200 into a 19" rack.	3	3.85 lbs.	85112-6







Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-DT300 SERIES DIGITAL TELEPHONES				
KX-DT346  	24 BUTTON 6-LINE BACKLIT LCD DISPLAY DIGITAL TELEPHONE <ul style="list-style-type: none"> • 24 Programmable CO buttons • Digital Duplex Speakerphone • Bluetooth compatible with KX-NT307 Adaptor • Digital Extra Device Port • Alphanumeric Directory Search • Available in Black or White 	—	—	—
KX-DT343  	24 BUTTON 3-LINE BACKLIT LCD DISPLAY DIGITAL TELEPHONE <ul style="list-style-type: none"> • 24 Programmable CO buttons • Digital Duplex Speakerphone • Bluetooth compatible with KX-NT307 Adaptor • Digital Extra Device Port • Alphanumeric Directory Search • Available in Black or White 	—	—	—
KX-DT333  	24 BUTTON 3-LINE LCD DISPLAY DIGITAL TELEPHONE <ul style="list-style-type: none"> • 24 Programmable CO buttons • Digital Duplex Speakerphone • Digital Extra Device Port • Alphanumeric Directory Search • Available in Black or White 	—	—	—
KX-DT321  	8 BUTTON 1-LINE BACKLIT LCD DISPLAY DIGITAL TELEPHONE <ul style="list-style-type: none"> • 8 Programmable CO buttons • Speakerphone • Alphanumeric Directory Search • Available in Black or White 	—	—	—
KX-DT390-B 	DSS CONSOLE 60 key DSS black console for use with the KX-DT300 series phones.	—	—	—
KX-DT301 	USB MODULE USB module for use with the KX-DT300 series phones.	—	—	—
KX-NT300 SERIES IP TELEPHONES				











Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-NT366  	4 X 12 BUTTON 6-LINE BACKLIT LCD DISPLAY IP TELEPHONE <ul style="list-style-type: none"> • 4 x 12-Self labeling, Programmable Keys • Digital Duplex Speakerphone • 2 Ethernet Ports (100Base-T) • Power Over Ethernet (PoE) or with KX-A239 AC Power Adaptor • Bluetooth compatible with KX-NT307 Adaptor • Available in Black or White Only connects to the IPCEMPR Virtual Side in the Extension Slot	3	11.77 lbs.	85206-2 Black 85207-9
KX-NT346  	6-LINE BACK-LIT LCD DISPLAY IP TELEPHONE <ul style="list-style-type: none"> • 24 Programmable Keys • Digital Duplex Speakerphone • 2 Ethernet Ports (100Base-T) • Power Over Ethernet (PoE) or with KX-A239 AC Power Adaptor • Bluetooth compatible with KX-NT307 Adaptor • Available in Black or White 	3	11.51 lbs.	85208-6 Black 85209-3
KX-NT343  	3-LINE BACK-LIT LCD DISPLAY IP TELEPHONE <ul style="list-style-type: none"> • 24 Programmable Keys • Digital Duplex Speakerphone • 2 Ethernet Ports (100Base-T) • Power Over Ethernet (PoE) or with KX-A239 AC Power Adaptor • Bluetooth compatible with KX-NT307 Adaptor • Available in Black or White 	3	11.34 lbs.	85210-9 Black 85211-6
KX-NT321  	ADVANCED IP TELEPHONE - 8 BUTTON, 1-LINE LCD, 2ND LAN PORT <ul style="list-style-type: none"> • 8 Programmable Keys • Digital Duplex Speakerphone • 2 Ethernet Ports (100Base-T) • Power Over Ethernet (PoE) or with KX-A239 AC Power Adaptor • Dual PBX support • Available in Black or White 	3	4.80 lbs.	52352-2 Black 52369-9
KX-NT303  	12-KEY ADD ON MODULE <ul style="list-style-type: none"> • 12 programmable keys • Compatible with the KX-NT346, KX-NT343, KX-DT343, and KX-DT346 only • Available in Black or White Compatible only with KX-TDA50G software version 5.0 or higher.	3	2.65 lbs	85212-3 Black 85211-6
















Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-NT305  	60-KEY ADD ON MODULE <ul style="list-style-type: none"> • 60 programmable keys • Compatible with the KX-NT346 and the KX-NT343 only • Available in Black or White 	3	6.36 lbs.	85214-7 Black 85215-4
KX-NT307	BLUETOOTH MODULE Required to make the KX-NT366, KX-NT346, KX-NT343, KX-DT343, and KX-DT346 telephones Bluetooth compatible.	3	1.01lbs	85216-1
KX-A239	AC ADAPTOR FOR KX-NT300 SERIES TELEPHONES <ul style="list-style-type: none"> • Includes one Adaptor for use with KX-NT300 Series telephones 	3	1.67 lbs.	85217-8
IP SPEAKERPHONES				
KX-NT700 	CONFERENCE SPEAKERPHONE WITH PoE AND SD CARD SLOT FOR RECORDING <ul style="list-style-type: none"> • PSTN,IP,TDE/NCP-SIP extension • Cordless phone connectivity 	—	—	52376-6
KX-NT701 	WIRED EXTERNAL MICROPHONE FOR USE WITH THE KX-NT700 CONFERENCE SPEAKERPHONE <ul style="list-style-type: none"> • Power supply from main unit • 3m cable length • 2m microphone coverage 	—	—	52499-9
SIP TELEPHONES				
KX-HGT100-B 	SIP TELEPHONE WITH 2 LINE LCD AND 2ND LAN PORT <ul style="list-style-type: none"> • 2 Line x 16 Character Monochrome LCD with 4-level Contrast • 2 Ethernet Ports (10/100 Base-T) for PC and LAN • Power 100V-240V AC (50Hz) Adaptor (Optional) or Power over Ethernet (PoE) 	—	—	52482-2
KX-NT400 SERIES IP TELEPHONES				
KX-NT400 	IP TELEPHONE WITH LARGE , COLOR, TOUCHSCREEN LCD (BLACK) <ul style="list-style-type: none"> • Color Touchscreen LCD Display • Intuitive Graphical User Interface (GUI) • Network Camera Integration • Built-in Web Browser <p>Only connects to the IPCEMPR Virtual Side in the Extension Slot</p>	—	—	—
KX-A420 	AC ADAPTOR FOR KX-NT400	—	—	—
MULTI-CELL WIRELESS				
KX-T0155  DECT	2-CHANNEL DECT CELL STATION (DCS) 2-port cell station for use with multi-cell wireless feature in the TDA, TDE, NCP and TAW848 systems. The KX-T0155 connects directly to an extension port to the DHLC and DLC cards in the KX-TDA600/TDE600. Supports KX-TD7685, KX-TD7695, KX-TD7696, KX-WT125 and KX-WT126 DECT telephones only.	3	4.09 lbs.	85229-1










Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-TDA0156  DECT	4-CHANNEL DECT CELL STATION (DCS) 4-channel cell station for use with multi-cell wireless feature in the TDA and TDE systems. The KX-TDA0156 connects via a cell station interface card (KX-TDA0143 – 4 port or KX-TDA0144 – 8 port). Supports KX-TD7685, KX-TD7695, KX-TD7696, KX-WT125 and KX-WT126 DECT telephones only.	—	—	52628-8
KX-T0158  DECT	8-CHANNEL DECT CELL STATION (DCS) 8-channel cell station for use with multi-cell wireless feature in the TDA, TDE, and NCP systems. The KX-T0158 connects directly to 4 extension ports on the DHLC or DLC cards in the KX-TDA600/TDE600. Supports KX-TD7685, KX-TD7695, KX-TD7696, KX-WT125 and KX-WT126 DECT telephones only. Maximum of 16 can be installed. Can be installed locally or at a remote site through a VPN. Supports up to 8 talk channels at a time.	3	4.15 lbs.	85204-8
KX-NCP0158  DECT	IP-BASED CELL STATION * POE COMPATIBLE KX-NCP0158-IP Cell Station.	—	—	—
KX-A421  DECT	AC ADAPTER FOR NCP0158	—	—	—
KX-TD7685  DECT	DECT MULTI CELL WIRELESS HANDSET <ul style="list-style-type: none"> • Speaker phone with Auto Answer • Ring, Melodies and Vibration mode • Large Back lit LCD • Navi-key operation • PBX functionality support • Headset jack 	3	5.89 lbs.	85218-0
KX-TD7695  DECT	COMPACT DECT MULTI CELL WIRELESS HANDSET <ul style="list-style-type: none"> • Speaker phone with Auto Answer • Ring, Melodies and Vibration mode • Large Back lit LCD • Navi-key operation • PBX functionality support • Headset jack 	3	5.51 lbs.	85220-8
KX-TD7696  DECT	RUGGEDIZED DECT WIRELESS HANDSET <ul style="list-style-type: none"> • Blue, 6 line backlit LCD display • Dust and splash (water) resistant (IP54) • Illuminated keypad • Multiple language display • Speakerphone • Programmable soft keys • PBX functionality support 	3	6.05 lbs.	52635-5

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-WT125 	ENTRY LEVEL DECT WIRELESS HANDSET <ul style="list-style-type: none"> • Background Noise Reduction Technology • 8 CO Line Status Display in Standby Mode • Direct Access to CO Lines from Standby Mode • 1.8 inch, White-Backlit LCD Display • Illuminated Keypad – Easy operation in all lighting conditions • Easy Menu Navigation Button 			
KX-WT126 	ENTRY LEVEL DECT WIRELESS HANDSET <ul style="list-style-type: none"> • Vibrate Mode • Background Noise Reduction Technology • 8 CO Line Status Display in Standby Mode • Direct Access to CO Lines from Standby Mode • 1.8 inch, White-Backlit LCD Display • Illuminated Keypad – Easy operation in all lighting conditions • Easy Menu Navigation Button 			
PSZZTD142CE 	SITE SURVEY CELL STATION BATTERY PACK Used to power the KX-TD0155 or the KX-TDA0156 Cell Stations, for site surveys. The Cell Station, along with a KX-TD7685, KX-TD7695, or KX-TD7696 is used as a tool to assist the installer in determining coverage and placement of the cell stations. Requires 1 PSZZ1TD0142 power supply ADAPTOR. Must be purchased from the Panasonic Parts Center 800-833-9626.	N/A	N/A	N/A
PSZZ1TDA0142 	BATTERY PACK CELL STATION CONNECTOR Consists of a connector to connect the Cell Station Battery Pack to Cell Station when doing site surveys. 1 required with the Cell Station Battery Pack Must be purchased from the Panasonic Parts Center at: 800-833-9626.	N/A	N/A	N/A
ANALOG ENDPOINTS				
KX-T7720 	24 BUTTON SPEAKERPHONE TELEPHONE <ul style="list-style-type: none"> • 24 Programmable Buttons • 12 CO & 12 Personal/Feature, 10 fixed buttons for (Intercom, Conference, Program, Voice Mail, Pause, Forward/Do Not Disturb, Flash/Recall, Auto Answer/Mute, Auto Dial/Store and Redial) • 3 large buttons for Hold, Transfer and Speakerphone, Volume Control for Speaker, Ringer and Handset • Headset Jack • Wall Mountable • Available in Black or White 	3	2.46 lbs.	50051-0
		3	2.46 lbs.	50068-0
KX-T7731  Backlit Dial Keypad & LCD Display	24 BUTTON SPEAKERPHONE TELEPHONE WITH BACKLIT DIAL KEYPAD AND 1 LINE BACKLIT LCD DISPLAY <ul style="list-style-type: none"> • 24 Programmable Buttons, 12 CO & 12 Personal/Feature • 10 Fixed Buttons for (Intercom, Conference, Program, Voice Mail, Pause, Forward/Do Not Disturb, Flash/Recall, Auto Answer/Mute, Auto Dial/Store and Redial) Plus 3 Large Buttons for Hold Transfer and Speakerphone • Navigation Key for Volume, Display Contrast and Function Selection, Headset Jack, Wall Mountable • Available in Black or White 	3	2.56 lbs.	85114-0
		3	2.56 lbs.	Black 85115-7

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-T7740 	48 BUTTON DSS CONSOLE <ul style="list-style-type: none"> • 32 DSS keys w /LED'S • 16 Feature keys wo/LED'S • Wall Mountable • Available in Black or White 	3	1.28 lbs.	50099-0
		3	1.28 lbs.	Black 50105-0
DOOR PHONES				
KX-T30865-W KX-T30865-B 	STANDARD DOOR PHONE Compatible with KX-TA824, KX-TDA50G, KX-NCP and KX-TDE PBX telephone systems. KX-T30865-B: BLACK VERSION	3	1.70 lbs.	Black
		3	1.70 lbs.	
KX-T7765 	DOORPHONE WITH LUMINOUS BUTTON Compatible with KX-TA824, KX-TDA50G, KX-NCP and KX-TDE PBX telephone systems. Can be surface or recessed mounted in most plastic single gang electrical boxes.	5	3.01 lbs.	52345-5
KX-T7775 	PREMIUM DOORPHONE Compatible with KX-TA824, KX-TDA50G, KX-NCP and KX-TDE PBX telephone systems. Can be surface or recessed mounted in most plastic single gang electrical boxes. Optional decorative metal faceplates KX-A401 and 402 can be installed. Includes doorphone and power adaptor assembly. Offers twice the wiring distance of the standard KX-T30865 doorphone.	5	4.20 lbs.	51225-5
KX-A401 	POLISHED BRASS FACEPLATE Mounts over the face of the KX-T7775 premium doorphone. Includes matching mounting hardware.	1	1.00 lbs.	51232-2
KX-A402 	BRUSHED STAINLESS STEEL FACEPLATE Mounts over the face of the KX-T7775 premium doorphone. Includes matching mounting hardware.	1	1.00 lbs.	51249-9

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
OPTIONAL CTI SOFTWARE				
TURN YOUR PC INTO A PHONE SYSTEM EXTENSION THAT TRAVELS WITH YOU WHEREVER YOU GO.				
<ul style="list-style-type: none"> • Stay connected without long distance charges • Click and call using your PC mouse • Take your Panasonic Communication System features anywhere 				
PC PHONE / IP SOFTPHONE / OUTLOOK TOOLBAR SOFTWARE				
KX-TDA0350 	PC PHONE / IP SOFTPHONE / OUTLOOK TOOLBAR AND MULTI-SITE PROGRAMMING SW KEY Contains 5 Keys that can be used for PC Phone, IP Softphone or Outlook Toolbar. PC Phone software provides the user with the ability to use their PC to operate their telephones when connected to the KX-DT301 USB Expansion Module. To activate PC phone requires one key. The IP Softphone is software that allows you to use your PC as a telephone when connected to LAN, WAN or VPN. For IP Softphone to operate a KX-TDA600/TDE600 must be connected to the same network. To fully activate the IP Softphone requires 4 keys. To activate the Outlook Toolbar requires 1 key and a connection to the optional USB expansion module KX-DT301. The KX-TDA0350 contains 5 licenses. Each softphone requires 2 licenses to operate after the trial period.	1	1.69 lbs	85943-3
PC CONSOLE SOFTWARE				
KX-TDA0350 	IP SOFTPHONE* *2 KEYS needed	1	1.69 lbs	85943-3
ACTIVATION KEYS - PHONE ASSISTANT				
KX-NCS1201 	PA SUPERVISOR (1-ACTIVATION KEY) Includes 1 Phone Assistant Status Pro user key.	3	4.6 lbs.	85226-0
KX-NCS9101 	PA IP SOFTPHONE (1-ACTIVATION KEY) Includes 1 IP Softphone user key. This key is required to integrate the IP softphone with PA pro. A PA Pro key is also required.	3	4.6 lbs.	85227-7
ACTIVATION KEYS - COMMUNICATION ASSISTANT				
KX-NCS2101 	COMMUNICATION ASSISTANT BASIC (1-KEY) Includes 1 Communication Assistant Basic user key.	1	-	-
KX-NCS2105 	COMMUNICATION ASSISTANT BASIC (5-KEY) Includes 5 Communication Assistant Basic user keys.	1	-	-
KX-NCS2110 	COMMUNICATION ASSISTANT BASIC (10-KEY) Includes 10 Communication Assistant Basic user keys.	1	-	-
KX-NCS2140 	COMMUNICATION ASSISTANT BASIC (40-KEY) Includes 40 Communication Assistant Basic user keys.	1	-	-
KX-NCS2149 	COMMUNICATION ASSISTANT BASIC (128-KEY) Includes 128 Communication Assistant Basic user keys.	1	-	-
KX-NCS2201 	COMMUNICATION ASSISTANT PRO (1-KEY) Includes 1 Communication Assistant Pro user key.	1	-	-

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-NCS2205 	COMMUNICATION ASSISTANT PRO (5-KEY) Includes 5 Communication Assistant Pro user keys.	1	-	-
KX-NCS2210 	COMMUNICATION ASSISTANT PRO (10-KEY) Includes 10 Communication Assistant Pro user keys.	1	-	-
KX-NCS2240 	COMMUNICATION ASSISTANT PRO (40-KEY) Includes 40 Communication Assistant Pro user keys.	1	-	-
KX-NCS2249 	COMMUNICATION ASSISTANT PRO (128-KEY) Includes 128 Communication Assistant Pro user keys.	1	-	-
KX-NCS2301 	ACTIVATION KEY FOR CA ACD MONITOR FOR 1 ICD SUPERVISOR Includes 1 Activation Key for CA ACD Monitor for 1 ICD Supervisor.	1	-	-
KX-NCS2401 	COMMUNICATION ASSISTANT OPERATOR CONSOLE Includes 1 Communication Assistant Operator Console.	1	-	-
KX-NCS2010 	COMMUNICATION ASSISTANT THIN CLIENT KEY Includes 1 Communication Assistant Thin Client key.	1	-	-
KX-NCS2020 	COMMUNICATION ASSISTANT CSTA MULTIPLEXER KEY Includes 1 Communication Assistant CSTA Multiplexer key.	1	-	-
KX-NCS2901 	COMMUNICATION ASSISTANT NETWORK PLUGIN (1-KEY) Includes 1 Communication Assistant Network Plugin user key.	1	-	-
KX-NCS2905 	COMMUNICATION ASSISTANT NETWORK PLUGIN (5-KEY) Includes 5 Communication Assistant Network Plugin user keys.	1	-	-
KX-NCS2910 	COMMUNICATION ASSISTANT NETWORK PLUGIN (10-KEY) Includes 10 Communication Assistant Network Plugin user keys.	1	-	-
KX-NCS2940 	COMMUNICATION ASSISTANT NETWORK PLUGIN (40-KEY) Includes 40 Communication Assistant Network Plugin user keys.	1	-	-
KX-NCS2949 	COMMUNICATION ASSISTANT NETWORK PLUGIN (128-KEY) Includes 128 Communication Assistant Network Plugin user keys.	1	-	-
ACTIVATION KEYS - IP SOFTPHONE				
KX-NCS4201 	1-CHANNEL IP SOFTPHONE/IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPTS1) Provides the activation key number and registration ID to download the IPPTS1 activation key. Allows the use of 1 IP-PTs/IP softphones via a VIPEXT32 card.	1	-	-
KX-NCS4204 	4-CHANNEL IP SOFTPHONE/IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPTS4) Provides the activation key number and registration ID to download the IPPTS4 activation key. Allows the use of 4 IP-PTs/IP softphones via a VIPEXT32 card.	1	-	-

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-NCS4208 	8-CHANNEL IP SOFTPHONE/IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPTS8) Provides the activation key number and registration ID to download the IPPTS8 activation key. Allows the use of 8 IP-PTs/IP softphones via a VIPEXT32 card.	1	-	-
KX-NCS4216 	16-CHANNEL IP SOFTPHONE/IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPTS16) Provides the activation key number and registration ID to download the IPPTS16 activation key. Allows the use of 16 IP-PTs/IP softphones via a VIPEXT32 card.	1	-	-
ACTIVATION KEYS - IP PROPRIETARY TELEPHONE (IP-PT) LICENSES				
KX-NCS4501 	1-CHANNEL IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPT1) Provides the activation key number and registration ID to download the IPPT1 activation key. Allows the use of 1 IP-PTs via a VIPEXT32.	1	-	-
KX-NCS4504 	4-CHANNEL IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPT4) Provides the activation key number and registration ID to download the IPPT4 activation key. Allows the use of 4 IP-PTs via a VIPEXT32.	1	-	-
KX-NCS4508 	8-CHANNEL IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPT8) Provides the activation key number and registration ID to download the IPPT8 activation key. Allows the use of 8 IP-PTs via a VIPEXT32.	1	-	-
KX-NCS4516 	16-CHANNEL IP PROPRIETARY TELEPHONE ACTIVATION KEY (IPPT16) Provides the activation key number and registration ID to download the IPPT16 activation key. Allows the use of 16 IP-PTs via a VIPEXT32.	1	-	-
ACTIVATION KEYS - ENHANCED FEATURES				
KX-NCS4950 	ACTIVATION KEY FOR ENHANCED FEATURES (UCAV2) Provides the activation key number and registration ID to download the UCAV2 activation key. Upgrades software to use enhanced features. For the KX-TDE600 only. Please refer to Chart 5.	1	-	-
ACTIVATION KEYS - SIP TRUNK / GATEWAY				
KX-NCS4102 	2-CHANNEL IP TRUNK ACTIVATION KEY (SHGW2) Provides the activation key number and registration ID to download the SHGW2 activation key. Activates up to 2 IP Trunks (CO lines) via a V-IPGW16 card.	1	-	-
KX-NCS4104 	4-CHANNEL IP TRUNK ACTIVATION KEY (SHGW4) Provides the activation key number and registration ID to download the SHGW4 activation key. Activates up to 4 IP Trunks (CO lines) via a V-IPGW16 card.	1	-	-







Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
KX-NCS4102 	2-CHANNEL IP TRUNK ACTIVATION KEY (SHGW2) Provides the activation key number and registration ID to download the SHGW2 activation key. Activates up to 2 IP Trunks (CO lines) via a V-IPGW16 card.	1	-	-
KX-NCS4104 	4-CHANNEL IP TRUNK ACTIVATION KEY (SHGW4) Provides the activation key number and registration ID to download the SHGW4 activation key. Activates up to 4 IP Trunks (CO lines) via a V-IPGW16 card.	1	-	-
ACTIVATION KEYS - THIRD PARTY SIP				
KX-NCS4701 	1-CHANNEL SIP EXTENSION ACTIVATION KEY (SPE1) Provides the activation key number and registration ID to download the SPE1 activation key. Allows the use of 1 SIP Extensions via a VSIPEXT32 card.	1	-	-
KX-NCS4701 	4-CHANNEL SIP EXTENSION ACTIVATION KEY (SPE4) Provides the activation key number and registration ID to download the SPE4 activation key. Allows the use of 4 SIP Extensions via a VSIPEXT32 card.	1	-	-
KX-NCS4708 	8-CHANNEL SIP EXTENSION ACTIVATION KEY (SPE8) Provides the activation key number and registration ID to download the SPE8 activation key. Allows the use of 8 SIP Extensions via a VSIPEXT32 card.	1	-	-
KX-NCS4716 	16-CHANNEL SIP EXTENSION ACTIVATION KEY (SPE16) Provides the activation key number and registration ID to download the SPE16 activation key. Allows the use of 16 SIP Extensions via a VSIPEXT32 card.	1	-	-

CHART #1

KX-TDE600 FREE SLOT AND PORT CAPACITIES				
NUMBER OF FREE SLOTS				
	1 Basic Shelf	2 Expansion Shelf	3 Expansion Shelf	4 Expansion Shelf
Slots Per Shelf	10	11	11	11
Slots Per Shelf Accumulative	10	21	32	43

CHART #2

MAXIMUM CO LINES AND EXTENSIONS					
Type	Base Unit	Base Unit +1 Expansion Shelf	Base Unit +2 Expansion Shelves	Base Unit +3 Expansion Shelves	
Total Number of CO Lines	224	384	544	640	
CO Line (Physical CO Line Card)	CO Line (Physical CO Line Card)	160	320	480	
	CO Line (Virtual CO Line Card)	64 ¹	64 ¹	64 ¹	
	H.323 CO Lines	H.323 CO Lines	32	32	32
		SIP CO Lines	64	64	64
Total Number of Extensions	432	736	1008	1152	
Extension (Physical Extension Card)	Extension (Physical Extension Card)	304	608	880	
	PT	PT	256	512	640 ²
		SLT	240	480	720
		PT and SLT	304	608	880
	Extension (Virtual Extension Card)	128			
	IP-PT and IP Softphone	IP-PT and IP Softphone	128		
SIP Extension		128			

¹ Only 49 virtual CO line/extension card channels can be in use at any one time (except for peer-to-peer calls for IP extensions).

² The maximum number of PTs in the whole system is limited to 640.

CHART #3

MAXIMUM TERMINAL EQUIPMENT				
Type	Base Unit	Base Unit +1 Expansion Shelf	Base Unit +2 Expansion Shelves	Base Unit +3 Expansion Shelves
Telephone (using Digital Extra Device Port)	368 (432) ¹	608 (736) ¹	848 (1008) ¹	992 (1152) ¹
Single Line Port / Single Line Telephone	240	480	720	960
KX-DT300/KX-T7600 series Digital Proprietary Telephone	256	512	640	640
Other Digital Proprietary Telephone	128	256	384	512
Analog Proprietary Telephone	80	160	240	320
IP Proprietary Telephone	288	448	608	704
IP Proprietary Telephone ² (supported by IP-EXT16 card)	160	320	480	640
IP Proprietary Telephone ³ (supported by IPCMPR card)	128 ⁴	128 ⁴	128 ⁴	128 ⁴
SIP Extension	128	128	128	128
DSS Console	64	64	64	64
Cell Station	32 ⁵	64 ⁵	96 ⁵	128 ⁵
PT-interface CS (2-channel)/CS for CSIF card	32	64	96	128
PT-interface CS (8-channel)	16	32	48	64
IP-CS (8-channel)	16	16	16	16
PS	512	512	512	512
Voice Processing System (VPS) ⁶	8	8	8	8
Doorphone	16	32	48	64
Door Opener	16	32	48	64
External Sensor	16	32	48	64
External Relay	16	32	48	64

*1 Even when Digital Extra Device Port is used, each shelf supports a maximum of 256 KX-DT300/KX-T7600 series Digital Proprietary Telephones.

*2 KX-NT300 series except KX-NT366 and KX-NT305. KX-NT265 and KX-NT400 also not supported.

*3 KX-NT300 series and KX-NT265 (software version 2.00 or later only).

*4 For the KX-NT400, the maximum number of extensions that can be connected to the PBX is 64.

*5 One high-density CS or IP-CS counts as 2 CSs for the total number of CSs.

*6 Only a single VPS can be connected to one optional service card.

CHART #4

SYSTEM MODEL COMPATIBILITY AND CAPACITIES							
Cabinets							
Model Number	Description	System Compatibility					
KX-TDE600	Basic Cabinet	TDE600					
TDA620	Expansion Cabinet	TDA600/TDE600					
Shelf Expansion Cards							
KX-TDA6110	Bus Master Card (BUS-M)	TDA600/TDE600					
KX-TDA6111	Bus Master Expansion Card (BUSME)	TDA600/TDE600					
Mounting Hardware							
KX-TDA6201	Wall Bracing Kit	TDA600/TDE600					
Expansion Card Compatibility Chart							
Model Number	Description	Max. Cards					
		BS 1	ES 2	ES 3	ES 4		
Station Card							
KX-TDA0143	4 Cell Station Interface Card (CSIF4)	4	8	12	16		
KX-TDA0144	8 Cell Station Interface Card (CSIF8)	4	8	12	16		
KX-TDA0168	Extension Caller ID Card (EXT-CID)	10	20	30	40		
KX-TDA0170	8-Port Digital Hybrid Extension Card (DHLC8)	10	20	30	40		
KX-TDA0171	8-Port Digital Extension Card (DLC8)	10	20	30	40		
KX-TDA0172	16-Port Digital Extension Card (DLC16)	10	20	30	40		
KX-TDA0173	8-Port Single Line Telephone Extension Card (SLC8)	10	20	30	40		
KX-TDA0470	16-Channel VoIP Extension Card (IPEXT16)	10	20	30	40		
KX-TDA6174	16-Port Single Line Telephone Extension Card (ESLC16)	10	20	30	40		
KX-TDA6175	16-Port SLT Extension with Message Lamp Card (EMSLC16)	10	20	30	40		
KX-TDA 6178	24 PORT SLT w/CID (ECSLC24)	10	20	30	40		
KX-TDA0177	16-Port SLT w/ CID Card	10	20	30	40		
Trunk Cards							
KX-TDA0187	T-1 Trunk Card (T1)	5	10	15	20		
KX-TDA0193	8-Port Caller ID Card (CID8)	20	40	60	80		
KX-TDA0290	PRI Card (PRI23)	5	10	15	20		
KX-TDA0484	4-Channel VoIP Gateway Card (IPGW4E)	10	20	30	40		
KX-TDA0490	16-Channel VoIP Gateway Card (IPGW16)	10	20	30	40		
KX-TDA6181	16-Port Analog Trunk Card (ELCOT16)	10	20	30	40		
KX-TDA0193	8 Port Caller ID Card (CID8) for 16-Port Analog Trunk Card (ELCOT16), (requires 2)	20	40	60	80		
Option Cards							
KX-TDA0161	4-Port Doorphone Card (DPH4)	4	8	12	16		
KX-TDA0164	4-Port External Input/Output Card (EIO4)	4	8	12	16		
KX-TDA0190	Optional 3-Slot Base Card (OPB3)	4	8	12	16		
KX-TDA0191	4-Channel Message Card (MSG4)	4	8	12	16		
KX-TDA6166	16-Channel Echo Canceller Card (EECHO16)	2	4	6	8		
KX-TDA0194	ESUM4	4	8	12	16		
KX-TDA0196	Remote Card (RMT)	1					
KX-TDE0105	Memory Expansion Card (EMEC)	1					
KX-TDE0110	16-Channel Voip DSP Card (DSP16)	1					
KX-TDE0111	64-Channel Voip DSP Card (DSP64)	1					
Optional Software							
KX-TDA0350	PC Phone / IP Softphone Software						

CHART #5

TDE600 FEATURES THAT REQUIRE THE ENHANCED FEATURE LICENSE KX-NCS4950.
Centralized VM
Network ICD group
PS Roaming (using network ICD group)
250 Network DSS keys for 8 PBXs
Common extension numbering plan for 8 PBXs
ICD group ring with cellular phones
Cellular phone XDP parallel
DISA automatic access by cellular phone
Transfer from cellular phone
ICD group call distribution to longest idle extension
Enhanced CTI Functions
Call forwarding from desk phone to cell phone (requires SIP Trunks or PRI)
Leave message waiting on an extension at another PBX
Absent message display
Common extension on another PBX*
Display of an extension name of a ringing extension on another network PBX*
Call Waiting to a busy extension on another networked PBX*
Directed Call Pickup on a ringing extension on another networked PBX*
Executive Busy Override of a busy extension on another PBX*
Monitoring a call of a busy extension on another PBX*
Auto Answer across the network*

*Requires enhanced feature license in each unit.

CHART #6

KX-TVA VOICE PROCESSING SYSTEMS MAXIMUM CAPACITIES AND SPECIFICATIONS			
		KX-TVA50	KX-TVA200 and KX-NCV200
OPTIONAL CARD CAPACITIES			
KX-TVA502	2-Port Hybrid Expansion Card	2	
KX-TVA524	Memory Expansion Card	1	
KX-TVA594	LAN Interface Card	1	
KX-TVA296	Modem Card	1	1
KX-TVA204	4-Port Digital Expansion Card		6
INITIAL CONFIGURATION AND EXPANSION CAPABILITIES			
No. of Ports	Initial Configuration	2	4
	Maximum	6	24
Recording Time	Initial Configuration	4 hours	1000 hours
	Maximum	8 hours	1000 hours
SPECIFICATIONS			
Custom Services	Up to 100		
Number of Messages	Unlimited up to memory storage		
Length of Personal Greeting Message	Up to 360s (programmable)		
Message Retention Time	1 to 30 days, unlimited (programmable)		
Maximum Message Length	1 to 60 minutes, unlimited (programmable)		
Maximum Combined Length of Message per Mailbox	1 to 60 minutes, unlimited(programmable)		
Number of Mailboxes	62 Subscriber+ 2 Manager	1022 Subscriber+ 2 Manager	
Power Source	100 V AC to 240 V AC, 0.25 A, 50 Hz/60 Hz	100 V AC to 240 V AC, 1.5A, 50 Hz/60 Hz	
DC Input	9 V, 0.75 A (6.75 W)	40 V, 1.38 A (55.2 W)	
Dimensions (W _ H _ D)	9 7/8 (W) x 12 3/8 (H) x 2 7/8 (D)	10 7/8 (W) x 14 7/8 (H) x 4 5/8 (D)	
Weight (without optional cards)	No more than 4.41 lbs.	No more than 9.7 lbs.	

CHART #7

KX-TVA50 AND KX-TVA200 FEATURES	
System Features	Subscribers Features
Alternate Extension Group	Auto Receipt Conformation
Auto Forwarding	Automatic Log-in (APT/DPT Integration Only)
Automated Attendant	Autoplay New Message
Broadcasting Messages	Bookmark
Busy Coverage Mode	Call Transfer Status
Call Transfer to Outside	Callback Number Entry
Caller ID Call Routing (APT/DPT Integration Only)	Caller ID Callback (DPT Integration Only)
Caller ID Screening (APT/DPT Integration Only)	Calling a Beeper (Pager)
Caller Name Announcement—Personal (APT/DPT Integration Only)	Delete Message Confirmation
Caller Name Announcement—System (APT/DPT Integration Only)	External Message Delivery List
Class of Service (COS)	External Message Delivery Service
Company Greeting	Group Distribution List—Personal
Company Name	Group Distribution List—System
Covering Extension	Incomplete Call Handling Service
Custom Service	Live Call Screening (APT/DPT Integration Only)
Daylight Saving Time Assignment	Mailbox
Dialing by Name	Mailbox Capacity Warning
DID Call Routing (DPT Integration Only)	Message Transfer
E-mail Integration	One-touch Two-way Transfer (DPT Integration Only)
Extension Group	Personal Custom Service
Fax Management	Personal Greeting for Caller ID (APT/DPT Integration Only)
Hold	Personal Greetings
Holiday Service	Playback Volume/Speed Control
Intercom Paging (APT/DPT Integration Only)	Private Message
Interview Service	Receive Message
List All Names	Message Recovery
Logical Extension (All Calls Transfer to Mailbox)	Remote Call Forwarding Set (DPT Integration Only)
Message Delivery, Internal	Subscriber Tutorial
Message Reception Mode	Temporary Personal Greeting
Message Waiting Notification—Device	Timed Reminder Setting (DPT Integration Only)
Message Waiting Notification—Lamp	Toll Saver (APT/DPT Integration Only)
Multilingual Service	Two-way Record (APT/DPT Integration Only)
No Answer Coverage Mode	Two-way Transfer (APT/DPT Integration Only)
On Hold Announcement Menu	Unlimited Message Length
Operator Service	Urgent Message
PIN Call Routing	VM Menu (DPT Integration Only)
Play System Prompt After Personal Greeting	System Setting Features
Port Service	Auto Configuration (APT/DPT Integration Only)
Rotary Telephone Service	Custom Service Builder
Service Access Commands	Default Mailbox Template
Service Groups	Password Administration
System Clock	Recording by System Administrator
System Prompts	Service Mode
Time Service (day, night, lunch, and break)	System Backup/Restore
Trunk Service (Universal Port) (APT/DPT Integration Only)	System Reports
Voice Mail Service	System Security
	Time Synchronisation (DPT Integration Only)

CHART #8

KX-TDE600 POWER SUPPLY		
<p>It is necessary to select the proper power supply for the system in accordance with the type and number of extensions that are connected to the system. There are 3 power supply options; S = Small, M = Medium and L = Large. To calculate the size of the power supply required for your application, you must determine the type of telephone extensions you plan to use. Then using the telephone equipment power factor "B" portion of the chart below, calculate the point value for each and add up all the points. Using the Power Supply Maximum Power Factor "A" portion of the chart below, match up the points calculated with the correct power supply. The power supply value must be greater than the total points calculated for the telephone equipment. (When in doubt use the larger power supply.)</p>		
A - Power Supply Maximum Power Factors		
	TDE600	
Power Supply Model	KX-TDA0104 (M Type)	KX-TDA0103 (L Type)
Maximum Power Factor	128	512
B - Telephone Equipment Power Factor		
Telephone Equipment		Point Value For Each
T7600 Digital Series (KX-TDA Digital System Phones)		1
KX-T7400 & KX-T7200 Digital Series (KX-TD Digital System Phones)		4
KX-T7000, KX-T7300, KX-T7700 Series and DSS Consoles (KX-T & KX-TA Hybrid System Phones)		4
IP Telephones (KX-NT SERIES)		0
SIP Extensions		0
SLT* Cards (Single Line Telephones)	SLC8	8
	SLC16	16
	MSLC16	16
	DHLC8	8
Cell Station (KX-T0151, KX-T0155, & KX-TDA0152)		4
High density cell station (1 unit)		8
KX-TVA & KX-NCV Voice Mail Port Connection (2 ch)		1
* Calculation must be based on the number of cards, not the number of telephones.		

**Panasonic System Networks Company
of America**

Executive Offices:
Three Panasonic Way, Secaucus, NJ 07094
(201) 348-7000

www.panasonic.com/bts

Panasonic Customer Service

9 am - 9 pm (EST) Mon. through Fri.
10 am - 7 pm (EST) Sat. and Sun.
1-800-211-PANA

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