







# PANASONIC COMMUNICATION SYSTEMS KX-TDA600 DIGITAL HYBRID IP-PBX SYSTEMS VOICE PROCESSING AND ACD REPORTING SYSTEMS PRODUCT CATALOG
























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**PRODUCT CATALOG**  
Effective Date August, 2006  
Supersedes all Previous Price Lists





**Panasonic**  
ideas for life

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
<b>SHELVES</b>				
	*****IMPORTANT*****			
	The KX-TDA600 is a certified dealer model. This model must be activated prior to installation. Only dealers who have successfully completed the KX-TDA Technical Training course, have a valid KX-TDA certification number and meet the yearly purchase requirements outlined in the TDA dealer agreement can activate these systems. For detailed information on how to register a system please visit the <a href="http://www.kxtidasupport.com">www.kxtidasupport.com</a> site. If you are interested in becoming KX-TDA certified dealer, please contact your favorite Panasonic distributor or Panasonic account representative.			
<b>KX-TDA600</b>    	<b>BASIC SHELF (MAIN UNIT)</b> Maximum Capacity 160 ports Contains: 1 Shelf with 10 Free Slots 1 Main Processor Unit-(Power Supply Not Included) 1 SD Card <b>Features</b> <ul style="list-style-type: none"> <li>• Multi-Cell Wireless</li> <li>• VOIP Gateway with QSIG (Enhanced System Networking)</li> <li>• VOIP Extensions</li> <li>• PC-Based Programming</li> <li>• DXDP (Digital Extra Device Port)</li> <li>• Automatic Route Selection (ARS)</li> <li>• Toll Restriction</li> <li>• Caller ID (Name &amp; Number)</li> <li>• ISDN Primary Rate Interface (PRI) with QSIG and T1</li> <li>• Voice Mail Integration</li> <li>• Networking with Centralized Voice Mail</li> <li>• Uniform Call Distribution (UCD)</li> <li>• Direct Inward System Access (DISA)</li> </ul>	<b>1</b>	<b>26.7 lbs.</b>	<b>851775</b>
<b>KX-TDA620</b>    	<b>EXPANSION SHELF</b> Maximum Capacity 160 ports 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 basic shelf. Requires that a BUS-M (KX-TDA6110) and a BUS-ME (KX-TDA6111) cards to be installed in the KX-TDA600 basic shelf. Power supply not included.	<b>1</b>	<b>25.5 lbs.</b>	<b>851867</b>
<b>MOUNTING HARDWARE</b>				
<b>KX-TDA6201</b>	<b>WALL BRACING KIT</b> For securing KX-TDA600 and KX-TDA620 to a wall, recommended for 2, 3, 4 shelf systems.	<b>1</b>	<b>15.0 lbs.</b>	<b>851850</b>
<b>POWER SUPPLIES (1 REQUIRED PER CABINET)</b>				
<b>KX-TDA0103</b>  	<b>L-TYPE POWER SUPPLY</b> Large plug in system power supply for use in the KX-TDA600 and KX-TDA620. To determine the correct size power supply for your application, please refer to the Power Supply Sizing Chart #1.	<b>1</b>	<b>7.58 lbs.</b>	<b>85020-4</b>
<b>KX-TDA0104</b>  	<b>M-TYPE POWER SUPPLY</b> Medium plug in system power supply for use in the KX-TDA600 and KX-TDA620. To determine the correct size power supply for your application, please refer to the Power Supply Sizing Chart #1.	<b>1</b>	<b>6.92 lbs.</b>	<b>85021-1</b>










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<b>EXPANSION CARDS AND ACCESSORIES</b>				
<b>SHELF EXPANSION CARDS</b>				
<b>KX-TDA6110</b>  	<b>BUS-M CARD</b> One card required to connect the Basic Shelf KX-TDA600 to the first expansion KX-TDA620 mounts in the KX-TDA600 basic shelf. Up to two KX-TDA6111 BUS-ME cards can be mounted on the the BUS-M card KX-TDA6110 to connect to second and third expansion shelves KX-TDA620 to the Basic shelf KX-TDA600	<b>3</b>	<b>7.2 lbs.</b>	<b>851799</b>
<b>KX-TDA6111</b>  	<b>BUS-ME CARD</b> Optional shelf expansion card. Mounts on the KX-TDA6110 BUS-M card. Required to connect second and third expansion shelves KX-TDA620 to the basic shelf KX-TDA600 Bus cables included with card. On card required per expansion shelf.	<b>3</b>	<b>5.56 lbs.</b>	<b>851805</b>
<b>STATION CARDS</b>				
<b>KX-TDA0143</b>  	<b>4-PORT CELL STATION INTERFACE CARD (CSIF4)</b> Required for multi-cell operation when using the (KX-TDA0142) 3-channel Cell Station. Supports up to 4 (KX-TDA0142) Cell Station. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>1.06 lbs.</b>	<b>85119-5</b>
<b>KX-TDA0144</b>  	<b>8-PORT CELL STATION INTERFACE CARD (CSIF8)</b> Required for multi-cell operation when using the (KX-TDA0142) 3-channel Cell Station. Supports up to 8 Cell Stations (KX-TDA0142). 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>3.81 lbs.</b>	<b>85024-2</b>
<b>KX-TDA0170</b>  	<b>8-PORT DIGITAL HYBRID LINE CARD (DHLC8)</b> 8 ports per card. Supports KX-T7600, KX-T7400 (DPT), KX-T7700 (APT) series telephones. Single Line (SLT), DSS console and KX-T0141, 2 Port Cell Station. 2 ports provide power failure transfer. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.45 lbs.</b>	<b>85027-3</b>
<b>KX-TDA0171</b>  	<b>8-PORT DIGITAL LINE CARD (DLC8)</b> 8 ports per card. Supports KX-T7600 and KX-T7400 series telephone (DPT), DSS console and KX-T0141, 2 Port Cell Station. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.92 lbs.</b>	<b>85028-0</b>
<b>KX-TDA0172</b>  	<b>16-PORT DIGITAL LINE CARD (DLC16)</b> 16 ports per card. Support KX-T7600 and KX-T7400 series (DPT) Telephones, DSS consoles and KX-T0141, 2 Port Cell Station. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.32 lbs.</b>	<b>85029-7</b>
<b>KX-TDA0173</b>  	<b>8-PORT SINGLE LINE CARD (SLC8)</b> 8 ports per card. Supports single line telephones (SLT). 2 ports are equipped with power failure transfer and 8 DTMF receivers. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.10 lbs.</b>	<b>85030-3</b>
<b>KX-TDA6174</b>  	<b>16-PORT SINGLE LINE CARD (ESLC16)</b> 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 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.6 lbs.</b>	<b>851829</b>
<b>KX-TDA6175</b>  	<b>16-PORT SINGLE LINE CARD WITH MESSAGE WAITING (EMSLC16)</b> 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 2, 3 and 4 prior to configuring a system.	<b>3</b>	<b>4.61 lbs.</b>	<b>851836</b>









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<b>KX-TDA0470</b>  	<b>16-CHANNEL IP EXTENSION CARD (IP - EXT16)</b> The KX-TDA0470 is required when using IP Telephones (KX-NT136, KX-NT265 and IP softphone). Each KX-TDA0470 card requires one free slot and supports up to 16 IP extensions. Please refer to Charts 2, 3 and 4 prior to configuring a system.	1	1.10 lbs.	85128-7
<b>CENTRAL OFFICE AND IP GATEWAY CARDS</b>				
<b>KX-TDA6181</b>  	<b>16-PORT LOOP START CO TRUNK CARD (ELCOT16)</b> 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 2, 3 and 4 prior to configuring a system.	3	4.22 lbs.	851843
<b>KX-TDA0187</b>  	<b>T1 TRUNK CARD (T1)</b> 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 2, 3 and 4 prior to configuring a system.	3	3.46 lbs.	85036-5
<b>KX-TDA0290</b>  	<b>ISDN PRIMARY RATE INTERFACE (PRI 23)</b> 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 2, 3 and 4 prior to configuring a system.	3	3.48 lbs.	85041-9
<b>KX-TDA0484</b>  	<b>4-CHANNEL IP GATEWAY CARD (IP-GW4)</b> Supports up to 4 IP connections for TDA 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 2, 3 and 4 prior to configuring a system.	1	1.79 lbs.	85120-1
<b>KX-TDA0490</b>  	<b>16-CHANNEL IP GATEWAY CARD (IP GW16)</b> Supports up to 16 IP connections for TDA system networking. H. 323V.2, ITU-T, G711, G729a and G.723.1 compliant. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	1	1.20 lbs.	85129-4
<b>RESOURCE AND FEATURE CARDS</b>				
<b>KX-A258</b>  	<b>BLANK SLOT COVER</b> Optional metal panel to cover unused free slots. One panel covers one slot. 5 panels per package.	3	3.48 lbs.	85066-2
<b>KX-TDA6105</b>  	<b>MEMORY EXPANSION CARD (EMEC) FOR KX-TDA600</b> Memory expansion card to increase system data storage space. Required for XDP, to expand Speed Dial capacity and when expansion shelves 2 and 3 are installed. Mounts on the EMPR card.	3	1.26 lbs.	851782
<b>KX-TDA0161</b>  	<b>4-PORT DOORPHONE CARD (DPH4)</b> 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 2, 3 and 4 prior to configuring a system.	3	1.65 lbs.	85025-9
<b>KX-TDA0164</b>  	<b>4 EIO CARD (EIO4)</b> Mounts on the KX-TDA0190 Optional 3-Slot Base card (OPB3). Contains 4 dry contact that allow you to control external devices such as a door strike or an automatic garage door-opener. You can also connect up to 4 external sensor devices.	3	.44 lbs.	85126-3
<b>KX-TDA6166</b>  	<b>16-PORT ECHO CANCELLATION CARD (EECHO16)</b> Provides echo cancellation for conference calls for up to 16 ports. 1 card requires 1 free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	3	3.48 lbs.	851812

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<b>KX-TDA0190</b>  	<b>OPTIONAL 3-SLOT BASE CARD (OPB3)</b> This card is equipped with 3 connectors to receive the following option cards: 4 Channel Message Card (MSG4), 4-Port Doorphone Card (DPH4), and the 16-Port Echo Cancellation Card (ECHO16). Requires 1 slot. Mounts in the optional card slot or a free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	3	3.46 lbs.	85037-2
<b>KX-TDA0191</b>  	<b>4-CHANNEL MESSAGE CARD (MSG4)</b> 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 2, 3 and 4 prior to configuring a system.	3	1.43 lbs.	85038-9
<b>KX-TDA0410</b>  	<b>CTI LINK CARD</b> Ethernet card for CTI communications via 10Base-T for programming using LAN or WAN. Contains one RJ-45 connector. One card requires 1 slot. Mounts in the optional card slot or a free slot. Please refer to Charts 2, 3 and 4 prior to configuring a system.	3	3.41 lbs.	85044-0
<b>KX-TDA0196</b>  	<b>REMOTE CARD</b> Analog modem card for remote communication. V.90 support. Mounts on the main processor card (EMPR) Please refer to Charts 2, 3 and 4 prior to configuring a system.	3	1.23 lbs.	85040-2
<b>KX-TDA0168</b>  	<b>SINGLE LINE EXTENSION CALLER CARD (SLT CID)</b> 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
<b>KX-TDA0193</b>  	<b>8-PORT CALLER ID CARD (CID8)</b> Required to receive Caller ID information from the CO. Each KX-TDA0193 activates caller ID on 8 CO lines. Mounts on the KX-TDA0180 and KX-TDA0181 Loop Start CO Cards. Please refer to Charts 2, 3 and 4 prior to configuring a system.	3	1.47 lbs.	85039-6
<b>OPTIONAL SOFTWARE</b>				
<b>KX-TDA0350</b>  	<b>PC PHONE / IP SOFTPHONE SOFTWARE</b> Contains 5 Licenses that can be used for either PC Phone or IP Softphone. PC Phone software provides the user with the ability to use their PC to operate their telephones when connected to the KX-T7601 USB Expansion Module. To activate PC phone requires one license. 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 must be connected to the same network using VOIP Extension Card KX-TDA0470. To activate the IP Softphone requires 2 licenses.	1	1.69 lbs	85943-3
<b>KX-TDA0300</b>  	<b>PC CONSOLE SOFTWARE</b> Contains 1 PC Console License. PC Console software provides the user with the ability to use a PC as a system console. The PC must be connected to the KX-T7601 USB Expansion Module.	1	1.69 lbs.	85943-3
<b>KX-TDA6920</b>  	<b>CTI/NETWORK SYSTEM APPLICATION SOFTWARE FOR TDA600</b> SD Card that contains software to support Enhanced CTI functions and network DSS/BLF operation. Refer to chart #5.	3	2.3 lbs.	851874
<b>MULTI-CELL WIRELESS</b>				







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<b>KX-T0141</b> 	<b>2-CHANNEL CELL STATION (CS)</b> 2 port cell station for use with multi-cell wireless feature in the KX-TDA600. The KX-T0141 connects directly to an extension port, compatible with DHLC8, DHLC16 and HLC4 cards in the KX-TDA600. Please refer to Charts 2, 3 and 4 for maximum capacity information.	5	2.86 lbs.	85093-8
<b>KX-TDA0142</b> 	<b>3-CHANNEL HIGH DENSITY CELL STATION (CS)</b> 3-port cell station unit Requires the KX-TDA0144 8-port Cell Station or the KX-TDA0143 4-port Cell Station Interface card. Required for multi-cell wireless operation. Recommended for high user multi cell wireless TDA600 system. Suggested for larger premise (longer distance) installations.	3	3.74 lbs.	85023-5
<b>KX-TD7690</b>  <i>Backlit LCD Display</i>	<b>2.4GHZ EXECUTIVE WIRELESS HANDSET</b> 5-Line LCD with Back-Light <ul style="list-style-type: none"> <li>• Navi-key operation</li> <li>• Supports PBX Functionality</li> <li>• Headset Jack</li> <li>• Speakerphone</li> <li>• Vibrater Mode</li> <li>• Auto Answer</li> </ul>	3	5.31 lbs.	85060-0
<b>KX-TD7680</b>  <i>Backlit LCD Display</i>	<b>2.4GHZ WIRELESS HANDSET</b> 3-Line LCD with Back-Light <ul style="list-style-type: none"> <li>• Navi-key Operation</li> <li>• Supports PBX Functionality</li> <li>• Headset Jack</li> <li>• Speakerphone</li> <li>• Vibrator Ringing</li> <li>• Auto Answer</li> </ul>	3	4.51 lbs.	85067-9
<b>KX-A264</b>	<b>CARRYING CASE FOR KX-TD7680</b> Black, carrying case with belt clip for the KX-TD7680.	6	0.91 lbs.	85113-3
<b>KX-A269</b>	<b>CARRYING CASE FOR KX-TD7690</b> Black carrying case with belt clip for the KX-TD7690.	12	1.55 lbs.	85065-5
<b>PSZZTD142CE</b>	<b>SITE SURVEY CELL STATION BATTERY PACK</b> Used to power the KX-TDA0142 or the KX-T0141 Cell Station, for site surveys. The Cell Station, along with a KX-TD7680 or a KX-TD7690 is used as a tool to assist the installer in determining coverage and placement of the cell stations. Requires 1 PSZZ1TD0142 power supply adapter. Must be purchased from the Panasonic Parts Center 800-833-9626.	N/A	N/A	N/A
<b>PSZZ1TDA0142</b>	<b>BATTERY PACK CELL STATION CONNECTOR</b> 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







**PROPRIETARY WIRELESS TELEPHONES**




Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
<b>KX-TD7896</b> <b>KX-TD7896-W</b>  	<b>2.4GHZ FREQUENCY HOPPING SPREAD SPECTRUM (FHSS) MULTI-LINE TELEPHONE WITH BLUE BACKLIT LCD DISPLAY</b> 2.4 GHz Frequency Hopping Spread Spectrum (FHSS), 6 Line Multifunction Blue Backlit LCD Display • 12 Programmable CO Line/ Feature/DSS Positions, Joystick Navigation Key, Speakerphone with Auto Answer, Caller ID Compatible, Message Waiting Indicator, Headset Jack and Belt Clip. 25 Channel Auto Scanning, Separate Charging Unit, Separate Wall Mountable Base Antenna, Programmable Ring, Melody or Vibrator • One Nickel Metal Hydride Battery Included • Maximum of 4 per Installation	3	11.4 lbs.	82591-2
		<i>Blue Backlit LCD Display</i> <b>KX-TD7896-W: WHITE VERSION</b>	3	11.4 lbs.
<b>IP TELEPHONES</b>				
<b>KX-NT265</b>    	<b>8 BUTTON IP TELEPHONE WITH 1 LINE LCD DISPLAY</b> 8 Programmable Buttons, 11 fixed buttons for Intercom, Program, Message, Flash/Redial, Auto Answer/Mute, Auto Dial/Store, Volume, Hold, Redial and Speakerphone, Headset Jack, Wall Mountable. Available in White (KX-NT265) or Charcoal (KX-NT265-B). For use with the KX-TDA04070(IP-EXT16) only. The KX-NT265 can be powered through the LAN (POE) or an optional power adaptor KX-A237 (sold separately). Please refer to Chart # 2 prior to configuring the system. <b>KX-NT265-B: BLACK VERSION</b>	3	8.24lbs	85174-4  <b>Black</b> 85175-1
<b>KX-NT136</b> <b>KX-NT136-B</b>    	<b>IP TELEPHONE</b> Equipped with a 6 line backlit LCD display, 24 Programmable buttons, 12 fixed buttons for (Intercom, Conference, Pause, Forward/Do Not Disturb, Flash/Recall, Auto Answer/Mute, Auto Dial/Store, Hold, Transfer, Message, Redial, Flash/Recall and Speakerphone). Also equipped with a Navigation Key, Headset Jack and can be Wall Mounted. The KX-NT136 IP telephone can only be connected to a managed wide a or local area network. Requires KX-TDA0470 16 channel IP extension card to be installed in the KX-TDA600 and connected to the same network. The KX-NT136 can be powered through the LAN (POE) or an optional power adaptor KX-A237 (sold separately) Please refer to Chart # 2 prior to configuring a system. <b>KX-NT136-B: BLACK VERSION</b>	3	3.46 lbs.	85130-0  <b>Black</b> 85131-7
<b>KX-A237</b>   	<b>AC ADAPTOR</b> for the KX-NT136 and KX-NT265 Includes one adaptor for use with one KX-NT136 IP telephone. Required if power is not supplied over the network (POE).	3	.84 lbs.	85132-4
<b>KX-T7600 SERIES PROPRIETARY TELEPHONES (FOR USE WITH KX-TDA SYSTEMS ONLY)</b>				
<b>KX-T7601</b> <b>KX-T7601-B</b>   	<b>USB EXPANSION MODULE</b> For connecting the KX-T7636 and KX-T7633 telephones to a PC. Required for use with PC Phone KX-TDA350 and PC console KX-TDA0300 software. Included with the module is a 6' USB cable and a CD containing a 90 day free trial KX-TDA350 PC Phone Software. Max of one USB module per telephone.  <b>KX-T7601-B: BLACK VERSION</b>	5	3.52 lbs.	85046-4  <b>Black</b> 85047-1



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<b>KX-T7603</b> <b>KX-T7603-B</b>  	<b>12 KEY ADD-ON MODULE</b> Attaches to the KX-T7636 and KX-T7633 telephones. <ul style="list-style-type: none"> <li>• Adds an additional 12 CO keys/feature keys.</li> <li>• Only one can be added per telephone.</li> </ul>	3	3.13 lbs.	85048-8
		<b>KX-T7603-B: BLACK VERSION</b>	3	3.13 lbs.
<b>KX-TD7667</b> <b>KX-TD7667-B</b>   <i>Backlit LCD Display</i>	<b>DIGITAL 12 BUTTON SPEAKERPHONE TELEPHONE WITH 3 LINE BACKLIT LCD DISPLAY</b> 12 Programmable Buttons, 12 CO/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 White ( KX-T7667) or Charcoal (KX-T7667-B)	3	7.50lbs	51713
		<b>KX-T7667-B: BLACK VERSION</b>	3	10.1 lbs.
<b>KX-T7625</b> <b>KX-T7625-B</b>  	<b>DIGITAL 24-BUTTON SPEAKERPHONE</b> <ul style="list-style-type: none"> <li>• 24 programmable CO keys with dual color LEDs</li> <li>• Volume key</li> <li>• Hands-free Speakerphone</li> <li>• Large message/ringing lamp (red/green)</li> <li>• Headset jack</li> <li>• XDP/DXDP Jack for adding another KX-T7600 DPITS or SLT extension</li> </ul>	3	10.1 lbs.	85050-1
		<b>KX-T7625-B: BLACK VERSION</b>	3	10.1 lbs.
<b>KX-T7630</b> <b>KX-T7630-B</b>  	<b>DIGITAL 24-BUTTON SPEAKERPHONE WITH 3 LINE BACKLIT LCD DISPLAY</b> <ul style="list-style-type: none"> <li>• 3-line x 24-character LCD</li> <li>• 24 programmable CO keys with dual color LED</li> <li>• Navigator key</li> <li>• Hands-free Speakerphone</li> <li>• Large message/ringing lamp(red/green)</li> <li>• Headset jack</li> <li>• XDP/DXDP Jack for adding another KX-T7600 DPITS or SLT extension</li> </ul>	3	10.4 lbs.	85052-5
		<b>KX-T7630-B: BLACK VERSION</b>	3	10.4 lbs.



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<b>KX-T7633</b> <b>KX-T7633-B</b>   <b>Backlit LCD Display</b>	<b>DIGITAL 24-BUTTON SPEAKERPHONE WITH 6 BACKLIT LCD DISPLAY</b> <ul style="list-style-type: none"> <li>• 3-line x 24-character back-light LCD Display</li> <li>• 24 programmable CO keys with dual color LED</li> <li>• Navigator key</li> <li>• Hands-free speakerphone</li> <li>• Large message/ringing lamp (red/green)</li> <li>• Headset jack</li> <li>• Compatible with optional 12-CO keys interface (KX-T7603).</li> <li>• XDP/DXDP Jack for adding another KX-T7600 DPITS or SLT extension</li> <li>• Compatible with USB module</li> </ul>	3	10.4 lbs.	85054-9
		3	10.4 lbs.	Black 85055-6
<b>KX-T7636</b> <b>KX-T7636-B</b>   <b>Backlit LCD Display</b>	<b>DIGITAL 24-BUTTON BACKLIT LCD SPEAKERPHONE PROPRIETARY TELEPHONE</b> <ul style="list-style-type: none"> <li>• 6-line x 24-character back-light LCD Display</li> <li>• 24 programmable CO keys with dual color LED</li> <li>• Navigator key</li> <li>• Hands-free speakerphone</li> <li>• Large message/ringing lamp (red/green)</li> <li>• Headset jack</li> <li>• Compatible with optional 12-CO keys interface (KX-T7603).</li> <li>• XDP/DXDP Jack for adding another KX-T7600 DPITS or SLT extension</li> </ul>	3	10.4 lbs.	85056-3
		3	10.4 lbs.	Black 85057-0
<b>KX-T7640</b> <b>KX-T7640-B</b>  	<b>DIGITAL DSS CONSOLE (60-DSS)</b> <ul style="list-style-type: none"> <li>• 60 Direct Station Selection (DSS)/Busy Lamp Field (BLF)</li> <li>• Wall mountable</li> <li>• Physically attached to Digital System Telephone by a screw (A DSS Console requires 1 Digital System Telephone extension port)</li> <li>• No restrictions for programmable Flex Keys</li> <li>• For all T7600 series models</li> </ul>	3	7.29 lbs.	85058-7
		3	7.29 lbs.	Black 85059-0

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
<b>KX-T7700 SERIES PROPRIETARY HYBRID SYSTEM TELEPHONES</b>				
<b>KX-T7750</b> <b>KX-T7750-B</b> 	<b>24 BUTTON MONITOR TELEPHONE</b> <ul style="list-style-type: none"> <li>• 24 Programmable Buttons</li> <li>• 12 CO &amp; 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)</li> <li>• 3 large buttons for Hold, Transfer and Monitor. • Volume Control for Speaker, Ringer and Handset • Headset Jack • Wall Mountable</li> </ul>	3	1.28 lbs.	50136-0
		<b>KX-T7750-B: BLACK VERSION</b>	3	1.28 lbs.
<b>KX-T7720</b> <b>KX-T7720-B</b> 	<b>24 BUTTON SPEAKERPHONE TELEPHONE</b> <ul style="list-style-type: none"> <li>• 24 Programmable Buttons</li> <li>• 12 CO &amp; 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)</li> <li>• 3 large buttons for Hold, Transfer and Speakerphone, Volume Control for Speaker, Ringer and Handset</li> <li>• Headset Jack • Wall Mountable</li> </ul>	3	2.46 lbs.	50051-0
		<b>KX-T7720-B: BLACK VERSION</b>	3	2.46 lbs.
<b>KX-T7731</b> <b>KX-T7731-B</b>   <i>Backlit Dial Keypad &amp; LCD Display</i>	<b>24 BUTTON SPEAKERPHONE TELEPHONE WITH BACKLIT DIAL KEYPAD AND 1 LINE BACKLIT LCD DISPLAY</b> <ul style="list-style-type: none"> <li>• 24 Programmable Buttons, 12 CO &amp; 12 Personal/Feature</li> <li>• 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</li> </ul>	3	2.56 lbs.	85114-0
		<b>KX-T7731-B: BLACK VERSION</b>	3	2.56 lbs.
<b>KX-T7740</b> <b>KX-T7740-B</b> 	<b>48 BUTTON DSS CONSOLE</b> <ul style="list-style-type: none"> <li>• 32 DSS keys w /LED'S</li> <li>• 16 Feature keys wo/LED'S</li> <li>• Wall Mountable</li> </ul>	3	1.28 lbs.	50099-0
		<b>KX-T7740-B: BLACK VERSION</b>	3	1.28 lbs.
<b>DOOR PHONES</b>				
<b>KX-T30865-W</b> <b>KX-T30865-B</b> 	<b>STANDARD DOOR PHONE</b> Compatible with all KX-TD Digital Super Hybrid, KX-T, KX-TA Advanced Hybrid, KX-TD500 and KX-TDA Digital Hybrid IP-PBX telephone systems.	3	1.9 lbs.	50167-0
		<b>KX-T30865-B: BLACK VERSION</b>	3	1.9 lbs.
<b>KX-T7775</b> 	<b>PREMIUM DOORPHONE</b> Compatible with Panasonic KX-TD Digital Super Hybrid, KX-T and KX-TA Advanced Hybrid, KX-TD500 and KX-TDA Digital Hybrid IP PBX 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.	3	1.72 lbs.	85122-5

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
<b>KX-A401</b> 	<b>POLISHED BRASS FACEPLATE</b> Mounts over the face of the KX-T7775 premium doorphone. Includes matching mounting hardware.	3	.25 lbs.	85123-2
<b>KX-A402</b> 	<b>BRUSHED STAINLESS STEEL FACEPLATE</b> Mounts over the face of the KX-T7775 premium doorphone. Includes matching mounting hardware.	3	.25 lbs.	85124-9
<b>KX-TVA VOICE PROCESSING SYSTEM CONTROL UNITS</b>				
<b>KX-TVA50</b> 	<b>BASIC CABINET:</b> 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"> <li>• 2 ports expandable to 6 ports using either the KX-TVA502 or the KX-TVA503 Cards</li> <li>• 4 hours of storage expandable to 8 hours using the KX-TVA524</li> <li>• 64 Mailboxes</li> <li>• 1 USB port</li> </ul> <b>Major Features</b> <ul style="list-style-type: none"> <li>• Automated Attendant Service</li> <li>• Email Integration</li> <li>• Windows Based PC Programmable (On Site and Remote)</li> <li>• Optional Built-in Remote Modem Card</li> <li>• Proprietary Telephone Voice Mail Menu</li> <li>• Live Call Screening</li> <li>• Intercom Paging</li> <li>• Interview Service</li> <li>• Multi-lingual Voice Prompts</li> <li>• Paging Notification with Call Back Number</li> <li>• Variable playback volume/speed with pause</li> <li>• Two-way record.</li> <li>• Personal Greeting For Caller ID</li> <li>• Caller ID Call Routing and Name Announce</li> </ul>	1	6.91 lbs.	85146-1

Model Number	Description	Per Master Carton		UPC Code 0-37988-
		Units	Weight	
<b>KX-TVA200</b>  	<b>BASIC CABINET:</b> 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"> <li>• 4 ports expandable to 24 ports using KX-TVA204 Cards</li> <li>• 1000 hours of Storage</li> <li>• 1024 Mailboxes</li> <li>• USB and RS232 ports</li> </ul> <b>Major Features</b> <ul style="list-style-type: none"> <li>• Automated Attendant Service</li> <li>• Email Integration</li> <li>• Windows Based PC Programmable (On Site and Remote)</li> <li>• Optional Built-in Remote Modem Card</li> <li>• Proprietary Telephone Voice Mail Menu</li> <li>• Live Call Screening</li> <li>• Intercom Paging</li> <li>• Interview Service</li> <li>• Multi-lingual Voice Prompts</li> <li>• Paging Notification with Call Back Number</li> <li>• Variable playback volume/speed with pause</li> <li>• Two-way record</li> <li>• In-band Integration</li> <li>• Personal Greeting For Caller ID</li> <li>• Caller ID Call Routing and Name Announce</li> </ul>	1	12.28 lbs.	85143-0
<b>KX-NCV200 ACD REPORT SERVER/VOICE MAIL SYSTEM</b>				
<b>KX-NCV200</b>  	<b>BASIC CABINET:</b> The KX-NCV200 is an ACD Report Server with Voice Mail and Auto Attendant. The basic cabinet is configured as follows: <ul style="list-style-type: none"> <li>• 4 ports expandable to 24 ports using KX-TVA204 Cards</li> <li>• 1000 hours of Storage</li> <li>• 1024 Mailboxes</li> </ul> <b>Features</b> <ul style="list-style-type: none"> <li>• Automated Attendant Service</li> <li>• Email Integration</li> <li>• Monitoring and Reporting Software</li> <li>• Windows Based PC Programmable (On Site and Remote)</li> <li>• Optional Built-in Remote Modem Card</li> <li>• Proprietary Telephone Voice Mail Menu</li> <li>• Live Call Screening</li> <li>• Intercom Paging</li> <li>• Interview Service</li> <li>• Multi-lingual Voice Prompts</li> <li>• Paging Notification with Call Back Number</li> <li>• Variable playback volume/speed with pause</li> <li>• Two-way record</li> <li>• In-band Integration</li> <li>• Personal Greeting For Caller ID</li> <li>• Caller ID Call Routing and Name Announce</li> </ul>	1	8.59 lbs.	851881

Model Number	Description	Per Master Carton		UPC Code 0-379888-
		Units	Weight	
<b>KX-TVA50 KX-TVA200 AND NCV200 VOICE EXPANSION AND FEATURE CARDS</b>				
<b>KX-TVA502</b>	<b>2 PORT DPT/APT/SLT INTERFACE CARD</b> 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.	<b>3</b>	<b>0.61 lbs.</b>	<b>85147-8</b>
<b>KX-TVA503</b>	<b>2 PORT DPT INTERFACE CARD</b> 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.	<b>3</b>	<b>0.61 lbs.</b>	<b>85148-5</b>
<b>KX-TVA524</b>	<b>4 HOUR MEMORY EXPANSION CARD</b> 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.	<b>3</b>	<b>0.28 lbs.</b>	<b>85149-2</b>
<b>KX-TVA594</b>	<b>LAN I/F CARD FOR USE WITH THE KX-TVA50 ONLY</b> Required to connect the KX-TVA50 to a wide or local area network Provides messaging from the TVA system to a subscribers email.	<b>3</b>	<b>0.33 lbs.</b>	<b>85150-8</b>
<b>KX-TVA204</b>	<b>4 PORT DPT INTERFACE CARD</b> For use with the KX-TVA200 or KX-NCU200 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.	<b>3</b>	<b>0.75 lbs.</b>	<b>85144-7</b>
<b>KX-TVA296</b>	<b>REMOTE MODEM CARD</b> Modem card for use in the KX-TVA50 KX-TVA200 & KX-NCV200. Required for remote programming and administration. Maximum of one per system.	<b>3</b>	<b>0.36 lbs.</b>	<b>85145-4</b>
<b>MOUNTING HARDWARE FOR KX-TVA AND KX-NCV CONTROL UNITS</b>				
<b>KX-A249</b>	<b>19" RACKMOUNT BRACKET FOR THE TVA50</b> For mounting the KX-TVA50 into a 19" rack.	<b>3</b>	<b>2.10 lbs.</b>	<b>85160-7</b>
<b>KX-A244X</b>	<b>19" RACKMOUNT BRACKET FOR THE TVA200 AND NCV200</b> For mounting the KX-TVA200 or the KX-NCV200 into a 19" rack.	<b>3</b>	<b>3.85 lbs.</b>	<b>85112-6</b>

## KX-TDA600 FEATURE LIST

System Features	KX-TDA600
Absent Message System	8
Absent Message Extension	4 Digits 1,000 Extensions
Account Code Entry (Forced and Verified)	X
Account Code Entry (Optional)	X
A.R.S. (Automatic Route Selection)	X
Automated Attendant (with DISA/OGM)	X
Automatic Answer, Intercom and Transferred Calls	X
Automatic CO Hunting	X
Automatic Fault Logging	X
Automatic Rerouting of VoIP Calls to Public CO	X
B.G.M. (Back Ground Music) Jack	X
Call Back Busy	X
Call Forwarding	X
Call Hunting (Terminal or Circular)	X
Call Log (Outgoing - 100 Per Ext., 5x1152 Per System)	X
Call Log (Incoming - 100 Per Ext., 10x1280 Per System)	X
Call Parking Zones	100
Call Park Retrieve	X
Call Pick Up Groups	96
Call Transfer/Transfer Recall	X
Call Waiting	X
Caller ID, Call Logging	X
Caller ID, Call Log Lock	X
Caller ID, Callback	X
Caller ID, Call Waiting	X
Caller ID, Date and Time Adjust	X
Caller ID (Name and/or Number)	X
Caller ID to SLT	X
Class of Service	64
Cellular Phone XDP Parallel	X
Centralized VM (Requires KX-TVA200 VP system)	X
CO Access Through VoIP using PIN	X
CO Limited Duration Timer	X
CO Line Names	X
CO Line Status (Two Color LED)	X
Common Extension Numbering Plan for Two PBXs	X
Conference Calling	3x10, 8x4 Per Shelf
Data Line Security (for Fax or Modem)	X
Data and Time Display	X
Delayed Ringing	X
D.I.L. (Direct in Line)	X
DISA automatic access by cellular phone	X
D.I.S.A. (Direct Inward System Access)	X
D.I.S.A. Single Digit Access	X
Distinctive Ringing Tone (CO, Intercom)	X
Distinctive Ring Tone (Doorphones)	X
D.N.D. (Do Not Disturb)	X
Do Not Disturb Override	X

X = Yes

Units, Weights and Specifications subject to change.

## KX-TDA600 FEATURE LIST

System Features	KX-TDA600
Door Intercoms/Door Opener Contacts	X
DSS/BLF Consoles	X
Dual Port Usage (Parallel SLT Station)	X
Duration Time of Call Display	X
DXDP	X
Electronic Station Lock	X
Emergency Call	32 Digits 10 Entries
End of Call Detection for Analog CO-CO by DISA	X
Extension Groups	X
Extension Name on Display When Idle	X
Executive Hold	X
Executive Override	X
Executive Override Deny	X
External Modem Support	X
External Paging Ports	X
External Sensor Input	X
Flexible CO Keys (DSS/BLF, One Touch Dial)	X
Flexible DSS Keys (One Touch, Feature Access)	X
Flexible Key Assignments	X
Flexible Night Service/Programmable/Manual	X
Flexible Ringing Assignment (Day, Night)	X
Flexible Ring Assignment (Lunch)	X
Flexible Station Numbering	X
Hands-Free Answer Back Intercom	X
Handset/Headset-Display Phones	X
Hold	X
Hold Recall/Hold Reminder	X
Hotel/Motel Features	X
Ring Message Waiting	X
Redial - 32 Digits	X
Remote Station Lock	X
Quick Dialing	X
Room Status	X
ICD Group Call Distribution to Longest Idle Extension	128
ICD Group Proprietary Telephone Simultaneous Ring	128
ICD Group Ring with Cellular Phones	X
ICD Groups	128
ICD Groups Members	X
Incoming Call Log for Answered ICD Group Call	X
Industry Standard Telephone Capability	X
Internal Paging (All Call Paging)	X
Internal Paging (Zone Paging)	X
ISDN Primary Rate Interface (PRI) with QSIG	X
Last Number Redial	X
Limited Call Duration	X
Live Call Screening (DPITS only)	X
Live Call Screening, Remote (DPITS only)	X
Login/Logout (Hunt, Ring, UCD)	X

X = Yes

Units, Weights and Specifications subject to change.

## KX-TDA600 FEATURE LIST

System Features	KX-TDA600
Login/Logout	X
Lunch/Break Mode	X
Memory Back-up	X
Message Waiting—Proprietary Phones	X
Message Waiting SLT	X
Military Time Display	X
M.O.H. (Music on Hold)	X
Multi-Cell Wireless	X
Multilingual Displays	X
Multiple Voice Mail Lamps	X
Network Call Forward for PRI23 QSIG	X
Network Call Transfer for PRI23 QSIG	X
Network DSS, 250 keys for 8 TDA PBXs	X
Network ICD group	X
Off-Hook Tone Signaling	X
Off-Hook Monitoring (KX-T7431, 7433, 7436, 7600 Series)	X
Off-Hook Voice Announce (KX-T7235, T7436, 7600 Series)	X
One Touch Dialing	32 Digits
On-Site Programming Diagnostics	X
Operator Call	X
Paging Groups	96
Personal Speed Dialing	32 Digits, 10 Entries 32 Digits 100 Entries with EMEC
Portable Station Roaming (Using Network ICD Group)	X
Power Failure Transfer	X
Pre-Selection (Central Office or Intercom)	X
Privacy Release	X
Quick Dial	80 + 1000 with EMEC
Remote Programming and Diagnostics	X
Remote Station Lock Control	X
Ring Groups	X
Ring Groups DISA	X
Ringing Line Preference	X
Saved Number Redial	X
Secret Dialing	X
Seven Day ARS Time Tables	X
S.M.D.R. (Station Message Detail Recording)	X
Station Name Display	X
Station to Station Messaging	X
System Speed Dialing	32 Digits, 1000 Entries 1000 Entries Per Tennant with MEC
TAPI Compliant	X
T1 Interface	X
T.A.F.A.S. (Trunk Answer from any Station)	X
Tenant Service	8
Toll Restriction	X
Toll Restriction Override	X

X = Yes

Units, Weights and Specifications subject to change.



<b>KX-TDA600 FEATURE LIST</b>	
<b>System Features</b>	<b>KX-TDA600</b>
Tone/Pulse Conversation	X
Tone/Pulse Dialing (By CO Line)	X
Transfer from cellular phone	X
Transfer (Screened/Unscreened)	X
Trunk Groups	X
Two-Way Record (with DPITS VM Integration)	X
Two-Way Transfer (with DPITS VM Integration)	X
User Groups	96
Unattended Conference Call	X
Uniform Call Distribution without OGM	X
Uniform Call Distribution with OGM	X
Voice Mail, Automatic Configuration (DPITS only)	X
Voice Mail Integration (Inband)	X
Voice Mail Integration (DPITS)	X
Voice Mail Systems	8
Voice Messaging Card	24
VOIP Gateway	X
VOIP Extension	X
Walking Class of Service	X
Whisper OHCA	X
Wrap-Up for Outgoing Call	X

### CHART #1

#### KX-TDA600 Power Supply Calculator

Power supplies are not included with the Basic and Expansion shelves. There are 2 power supply options: M = Medium and L = Large. To calculate the size of the power supplies required for your application, you must determine the type of telephone equipment that will be connected on each shelf. 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 required for each shelf. The power supply value must be greater than the total points calculated for the telephone equipment. (When in doubt use the larger power supply)

#### A - Power Supply Maximum Power Factors

Power Supply Type	KX-TDA0104 ( M Medium )	KX-TDA0103 (L Large )
Maximum Power Factor	128	512

#### B - Telephone Equipment Power Factor

Telephone Equipment	Point Value for Each	Basic Shelf	Expansion Shelf 1	Expansion Shelf 2	Expansion Shelf 3
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				
SLT* Cards (Single Line Telephones)	SLC8 8	8			
	SLC16 16	16			
	MSLC16	16			
	DHLC8	8			
Cell Station (KX-TDA0142, KX-T0141)	4				
KX-TVA Voice Mail Port Connection (2 ch)	1				
<b>Totals</b>					

\*Calculation must be based on the number of cards, not the number of telephones.

**CHART #2**

<b>MAXIMUM TERMINAL EQUIPMENT CHART</b>					
<b>Equipment Type</b>		<b>Maximum Per Shelf</b>			
		<b>1 Basic Shelf</b>	<b>2 Expansion Shelf</b>	<b>3 Expansion Shelf</b>	<b>4 Expansion Shelf</b>
Telephones Without DXDP		160	320	480	640
Telephones With DXDP		(288) <sup>1</sup>	(576) <sup>1</sup>	(800) <sup>1</sup>	(960) <sup>1</sup>
	Single Line Telephones SLT	160	320	480	640
	KX-T7600 series DPT	256	512	640	640
	Other DPT	128	256	384	512
	APT	80	160	240	320
	IP-PT	160	230	480	640
DSS console		64			
Cell Stations		32	64	96	128
PS (without an EMEC card)		256			
PS (with an EMEC card)		512			
Voice Processing System (VPS) <sup>2</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
Add-on Key Module		160	320	480	640
USB Module		160	320	480	640

<sup>1</sup> Even when Digital XDP is used, each shelf supports a maximum of 160 KX-T7600 series DPTs.

<sup>2</sup> Only a single VPS can be connected to one optional service card.

**CHART #3**

<b>KX-TDA600 FREE SLOT AND PORT CAPACITIES</b>				
<b>Number of Free Slots</b>				
	<b>1 Basic Shelf</b>	<b>2 Expansion Shelf</b>	<b>3 Expansion Shelf</b>	<b>4 Expansion Shelf</b>
Slots Per Shelf	10	11	11	11
Slots Per Shelf Accumulative	10	21	32	43
<b>Number of ports</b>				
Trunk	160	320	480	640
Extension	DLP Port	256	512	640
	SLT Port	160	320	480

\* - Using DXDP

**CHART #4**

SYSTEM MODEL COMPATIBILITY AND CAPACITIES							
Cabinets							
Model Number	Description	System Compatibility					
KX-TDA600	Basic Cabinet	KX-TDA600 only					
KX-TDA620	Expansion Cabinet	KX-TDA600 only					
Shelf Expansion Cards							
KX-TDA6110	Bus Master Card (BUS-M)	KX-TDA600 only					
KX-TDA6111	Bus Master Expansion Card (BUSME)	KX-TDA600 only					
Mounting Hardware							
KX-TDA6201	Wall Bracing Kit	KX-TDA600 only					
Expansion Card Compatibility Chart							
Model Number	Description	System Compatibility	Max. Cards Per Shelf				
			BS 1	ES 2	ES 3	ES 4	
Station Card							
KX-TDA0143	4 Cell Station Interface Card (CSIF4)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0144	8 Cell Station Interface Card (CSIF8)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0168	Extension Caller ID Card (EXT-CID)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0170	8-Port Digital Hybrid Extension Card (DHLC8)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0171	8-Port Digital Extension Card (DLC8)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0172	16-Port Digital Extension Card (DLC16)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0173	8-Port Single Line Telephone Extension Card (SLC8)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0470	16-Channel VoIP Extension Card (IPEXT16)	KX-TDA100/200/600	10	20	30	40	
KX-TDA6174	16-Port Single Line Telephone Extension Card (ESLC16)	KX-TDA600 only	10	20	30	40	
KX-TDA6175	16-Port SLT Extension with Message Lamp Card (EMSLC16)	KX-TDA600 only	10	20	30	40	
Trunk Cards							
KX-TDA0187	T-1 Trunk Card (T1)	KX-TDA100/200/600	5	10	15	20	
KX-TDA0193	8-Port Caller ID Card (CID8)	KX-TDA100/200/600	20	40	60	80	
KX-TDA0290	PRI Card (PRI23)	KX-TDA100/200/600	5	10	15	20	
KX-TDA0484	4-Channel VoIP Gateway Card (IPGW4E)	KX-TDA100/200/600	10	20	30	40	
KX-TDA0490	16-Channel VoIP Gateway Card (IPGW16)	KX-TDA100/200/600	10	20	30	40	
KX-TDA6181	16-Port Analog Trunk Card (ELCOT16)	KX-TDA600 only	10	20	30	40	
Option Cards							
KX-TDA0161	4-Port Doorphone Card (DPH4)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0164	4-Port External Input/Output Card (EIO4)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0190	Optional 3-Slot Base Card (OPB3)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0191	4-Channel Message Card (MSG4)	KX-TDA100/200/600	4	8	12	16	
KX-TDA0410	CTI Link Card (CTI-LINK)	KX-TDA100/200/600	1				
KX-TDA6166	16-Channel Echo Canceller Card (EECHO16)	KX-TDA600 only	2	4	6	8	
KX-TDA0196	Remote Card (RMT)	KX-TDA100/200/600	1				
KX-TDA6105	Memory Expansion Card (EMEC)	KX-TDA600 only	1				
Optional Software							
KX-TDA6920	SD Memory Card	KX-TDA600 only					
KXZ-TDA0350	PC Phone / IP Softphone Software	KX-TDA100/200/600					
KX-TDA0300	PC Console Software	KX-TDA100/200/600					

**CHART #5**

<b>FEATURES THAT REQUIRE THE OPTIONAL SD CARD KX-TDA6920</b>	
Centralized VM	
Network ICD group	
PS Roaming (using network ICD group)	
250 Network DSS keys for 8 PBXs	
Common extension numbering plan for two 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	

**CHART #6**

<b>KX-TDA600 SYSTEM SPECIFICATIONS</b>			
<b>Control Bus</b>		Original bus (16-bit, 8 MHz, 10 megabytes per second)	
<b>Communication Bus</b>		H, 100 bus conformity (1024 time slots)	
<b>Switching</b>		Distributed Switching	
<b>Power Input</b>	<b>PSU-M</b>	100 V AC to 130 V AC, 2.5 A/200 V AC to 240 V AC, 1.4 A, 50 Hz/60 Hz	
	<b>PSU-L</b>	100 V AC to 130 V AC, 5.1 A/200 V AC to 240 V AC, 2.55 A, 50 Hz/60 Hz	
<b>External battery</b>		+36 V DC (+12 V DC x 3, recommended maximum capacity per shelf is 28 Ah)	
<b>Maximum Power Failure Tolerance</b>		300 ms (without using backup batteries)	
<b>Memory Backup Duration</b>		7 Years	
<b>Dialing</b>	<b>Trunk</b>	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialing	
	<b>Extension</b>	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialing	
<b>Mode Conversion</b>		DP-DTMF, DTMF-DP	
<b>Ring Frequency</b>		20 Hz/25 Hz (selectable)	
<b>Trunk Loop Limit</b>		1600 Ω maximum	
<b>Operating Environment</b>	<b>Temperature</b>	0 °C to 40 °C	
	<b>Humidity</b>	10% to 90% (non-condensing)	
<b>Conference Call Trunk (per shelf)</b>		From 10 x 3-party conference call to 4 x 8-party conference call	
<b>Music on Hold (MOH)</b>		2 ports (Level Control: -11 dB to +11 dB in 1 dB steps) MOH1: External Music Source Port MOH2: Selectable Internal/External Music Source port	
<b>Paging</b>	<b>Internal</b>	Level Control: -15 dB to +6 dB in 3 dB steps	
	<b>External</b>	2 ports (Volume Control: -15 dB to +15 dB in 1 dB steps)	
<b>Serial Interface Port</b>	<b>RS-232C</b>	1 (maximum 115.2 kbps)	
	<b>USB</b>	1	
<b>Extension Connection Cable</b>		SLT	1-pair wire (T, R)
		DPT	1-pair wire (D1, D2) or 2-pair wire (T, R, D1, D2)
		APT	2-pair wire (T, R, D1, D2)
		PT-interface CS	1-pair wire (D1, D2)
		DSS Console and Add-on Key Module	1-pair wire (D1, D2)

**CHART #6 (Continued)**

<b>KX-TDA600 SYSTEM SPECIFICATIONS</b>		
<b>Dimension</b>	<b>Basic Shelf</b>	16.9" (W) x 16.3" (H) x 10.6" (D)
	<b>Expansion Shelf</b>	16.9" (W) x 16.3" (H) x 10.6" (D)
<b>Weight (when fully mounted)</b>	<b>Basic Shelf</b>	Under 35.27 lbs.
	<b>Expansion Shelf</b>	Under 35.27 lbs.
<b>Terminal Equipment Loop Unit</b>	<ul style="list-style-type: none"> <li>• PT: KX-T7600 series DPT: 90 Ω all other DPTs/APTs: 40 Ω</li> <li>• SLT: 60 Ω including set</li> <li>• Doorphone: 20 Ω</li> <li>• CS: 130 Ω; PT-interface CS: 65 Ω</li> </ul>	
<b>Minimum Leakage Resistance</b>	15,000 Ω minimum	
<b>Minimum Number of Extension Instruments per Line</b>	<b>1</b> for PT or SLT <b>2</b> by Parallel or eXtra Device Port connection of an APT/DPT and an SLT <b>3</b> by Digital eXtra Device Port connection of 2 DPTs and an SLT	
<b>Ring Voltage</b>	75 Vrms at 20 Hz/25 Hz depending on the Ringing Load	
<b>Trunk Loop Limit</b>	1600 Ω minimum	
<b>Hookswitch Flash/Recall Timing Range</b>	24 ms to 2032 ms	
<b>Door Opener Current Limit</b>	24 V DC/30 V AC, 1 A maximum	
<b>External Relay Current Limit</b>	24 V DC/30 V AC, 1 A maximum	
<b>External Sensor Current Limit</b>	Power to the external sensor is provided from the EIO4 card and must be grounded through the EIO4 card. For the connection diagram, refer to "2.8.4 EIO4 Card (KX-TDA0164)". The Hybrid IP-PBX detects input from the sensor when the signal is under 100 Ω.	
<b>Paging Terminal Impedance</b>	600 Ω	
<b>MOH (Music on Hold) Terminal Impedance</b>	10,000 Ω	

## KX-TVA50 KX-TVA200 AND KX-NCV200 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)

<b>KX-NCV200 ACD REPORT SERVER</b>	
ACD Monitor	
Performance Graphs	
Reports	<ul style="list-style-type: none"> <li>- CO Call Report</li> <li>- Lost Calls Report</li> <li>- System Report</li> <li>- Group Report</li> <li>- Agent Report</li> <li>- Agent (Operator Code) Report</li> </ul>
Logs	<ul style="list-style-type: none"> <li>- Call log</li> <li>- Agent Log</li> </ul>
Agent Log-in	



<b>KX-TVA VOICE PROCESSING SYSTEMS MAXIMUM CAPACITIES AND SPECIFICATIONS</b>			
		<b>KX-TVA50</b>	<b>KX-TVA200 and KX-NCV200</b>
<b>OPTIONAL CARD CAPACITIES</b>			
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
<b>INITIAL CONFIGURATION AND EXPANSION CAPABILITIES</b>			
No. of Ports	Initial Configuration	2	4
	Maximum	6	24
Recording Time	Initial Configuration	4 hours	1000 hours
	Maximum	8 hours	1600 hours
<b>SPECIFICATIONS</b>			
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.	



**NOTES**

**WARRANTY DATA** – COMPLETE TERMS OF THE WARRANTY ARE SET FORTH ON WARRANTY CARDS PACKED WITH THE PRODUCT AND AVAILABLE FOR THE CUSTOMER'S EXAMINATION FROM THE DEALER PRIOR TO PURCHASE.

**LIMITED WARRANTY**

- All Panasonic supplied "KX-TDA" Digital Hybrid IP-PBX + components and KX-T7600 series phones (except KX-TD7680, 90) 2 year Parts and Labor
- All other Panasonic Supplied Hybrid, Digital Hybrid and Voice Processing Components 1 Year Parts and Labor

**ALL OF THE ABOVE SUBJECT TO TERMS OF WRITTEN WARRANTY**

**All shipments F.O.B. from our warehouse.**

**All Orders subject to our acceptance.**

**Prices quoted are subject to change without notice.**

**Units, Weights and Specifications are subject to change.**

**NO RETURNS without prior approval in writing by our Regional Office.**

**For warranty service, please send product, including detailed description of problem, to the CSD Repair Center listed below.**

**CSD Service Centers**

Panasonic Service Center  
1225 Northbrook Parkway  
Suite 1-216  
Suwanee, GA 30024  
Phone: (770-338-6550)  
Fax: (770-338-6557)  
e-mail: [btsservice@us.panasonic.com](mailto:btsservice@us.panasonic.com)

**MINIMUM ORDER QUANTITY POLICY**

ALL ORDERS MUST BE IN MASTER CARTON QUANTITY INCREMENTS ONLY!

MINIMUM ORDER QUANTITY OF SIX (6) UNITS FOR ALL PRODUCTS. EXCEPT:

MINIMUM ORDER QUANTITY OF THREE (3) UNITS FOR:  
HYBRID TELEPHONE SYSTEM COMPONENTS

NO MINIMUM ORDER QUANTITY FOR:  
ACCESSORIES

WHEN PRODUCT CATEGORIES ARE MIXED ON AN ORDER, THE CATEGORY WITH THE HIGHEST MINIMUM WILL DETERMINE THE MINIMUM ORDER QUANTITY FOR THAT ORDER.

# Panasonic

## ideas for life

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