

# KX-TDA50G

## Hybrid IP-PBX Phone System



## 5 Competitive Advantages

- **NEW: Built-in caller ID capability.** Support for SIP Trunking helps reduce communication costs
- **Multi-Cell Wireless Integration with 8 Cell Stations and 28 Handsets**  
**NEW: Experience greater clarity, security and reduced interference with our latest line of DECT 6.0 wireless phones (Figure 1)**
- **Wireless Extra Device Port (XDP) – Never miss important calls (Figure 2)**
- **Enhanced Simplified Voice Message card includes messaging, auto attendant, voicemail and high quality music recording with max 256 messages, 120 min.-recording and/or Integration with Professional Voice Mail System**
- **IP capability: supports up to 4 IP phones, softphone for remote users, and remote maintenance**

### System Capacity

| Initial Configuration  | Included Power Supply Unit |                                   |
|--|----------------------------|-----------------------------------|
| <b>CO Line</b>   |                            |                                   |
| Analog CO Line   | 4 (with Caller ID)         |                                   |
| <b>Extensions</b>  |                            |                                   |
| Digital Hybrid Port <sup>1</sup>   | 4                          |                                   |
| Maximum Capacity   | Included Power Supply Unit | With Additional Power Supply Unit |
| <b>CO Line</b>   | <b>12</b>                  | <b>12</b>                         |
| Analog CO Line   | 12                         | 12                                |
| Voice over IP (H.323)  | 4                          | 4                                 |
| Voice over IP (SIP)*   | 8                          | 8                                 |
| <b>Extensions</b>  | <b>28</b>                  | <b>56</b>                         |
| Analog Phones (Single Line Device)   | 24                         | 24                                |
| KX-DT300 Series (Digital Proprietary)                                      | 24 (48 <sup>3</sup> )      | 24 (48 <sup>3</sup> )             |
| KX-T7600 Series <sup>2</sup> Phones (Digital Proprietary)                  | 24 (48 <sup>3</sup> )      | 24 (48 <sup>3</sup> )             |
| Other Digital Phones   | 4                          | 24                                |
| KX-T7700 Series Phones (Analog Proprietary)                                | 4                          | 24                                |
| DSS Console  | 4                          | 4                                 |
| IP Proprietary Phones / Softphones   | 4                          | 4                                 |
| Accessory Capacities   |                            |                                   |
| Maximum Number of Cell Stations  | 4(8) <sup>4</sup>          |                                   |
| Maximum Number of Wireless Telephone Handsets                              | 28                         |                                   |
| Maximum Number of Doorphone / Door Openers                                 | 4/4                        |                                   |
| ESVM Maximum Voice Message (Outgoing Message) Channels                     | 2                          |                                   |
| Maximum Voice Processing Systems   | 1-VPS Unit                 |                                   |
| BGM (Background Music) <sup>5</sup> / MOH (Music On Hold) Inputs           | 1                          |                                   |
| External Paging Outputs  | 1                          |                                   |
| RS232C/SMDR Outputs  | 1                          |                                   |
| USB Connection   | 1                          |                                   |
| Optional Ethernet (10 BaseT) <sup>6</sup> Connection for CTI / Programming | 1                          |                                   |

\* - Expandable to 8 lines with expansion card.

1 - Just plug in either Analog phone (single line device), Analog Proprietary phone or Digital Proprietary phone.

Can support up to two KX-series phones plus one Analog phone on each port. 2 - Latest series. 3 - 48 extensions using Digital XDP.

4 - With additional power supply. 5. BGM, External paging, RS232C/SMDR, and USB are standard and included with the basic system.

6. Optional feature. To enable CTI and programming for remote maintenance tool over IP, the KX-TDA5480 4 channel VoIP Gateway Card (IP-GW4) is required.

### Multi-Cell Wireless DECT Support

The benefits of your phone system can now “follow” you wherever you are on your premises with digitally enhanced wireless telephony. This system provides seamless communications by handing off the call from one cell station to the next—up to 8 total.

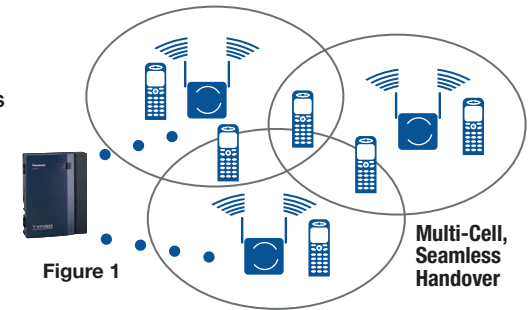


Figure 1

### Wireless Extra Device Port (XDP)

Link a wireless DECT phone with your desk extension so both phones ring simultaneously. With this quick and easy feature you can use the same extension number for both handsets and switch between them during a call.



Figure 2










### Cellular Extra Device Port (XDP)

Link your cellular phone with your office phone so both ring simultaneously. Your office phone can be your one phone number that seamlessly connects your cell phone.<sup>†</sup>



Figure 3

<sup>†</sup> Requires PRI or SIP trunk

| Phone Type                                 | New Digital Proprietary Phones |   |   |   | IP Proprietary Phones  |   |   | Wireless Phones (DECT 6.0)  |   |   |
|--|--------------------------------|---|---|---|--|---|---|---|---|---|
| KX-TDA50G<br>Hybrid IP-PBX<br>Phone System | KX-DT346                       | KX-DT343  | KX-DT333  | KX-DT321  | KX-NT346   | KX-NT343  | KX-NT321  | KX-TD7695   | KX-TD7685   | KX-TD7696   |
|  |                                |  |  |  |  |  |  |  |  |  |
| Display (LCD) Lines/Characters             | 6/24                           | 3/24  | 3/24  | 1/16  | 6/24   | 3/24  | 1/16  | 6/16  | 6/16  | 6/16  |
| LCD Backlit                                | Yes                            | Yes   | -   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   | Yes   |
| Headset Jack                               | Yes                            | Yes   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   | Yes   |
| Message Waiting LED                        | Yes                            | Yes   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes (Display)   | Yes (Display)   | Yes (Display)   |
| Speakerphone                               | Digital Duplex                 | Digital Duplex  | Digital Duplex  | Yes   | Digital Duplex   | Digital Duplex  | Yes   | Digital Duplex  | Digital Duplex  | Digital Duplex  |
| Personal Speed Dial                        | 100                            | 100   | 100   | 100   | 100  | 100   | 100   | 100   | 100   | 100   |
| Alphanumeric Directory Search              | Yes                            | Yes   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   | Yes   |
| Call Log (Incoming)                        | 100                            | 100   | 100   | 100   | 10 (100 Max)   | 10 (100 Max)  | 10 (100 Max)  | 10(100 max)   | 10(100 max)   | 10(100 max)   |
| Call Log (Outgoing)                        | 5 (100 Max)                    | 5 (100 Max)   | 5 (100 Max)   | 5 (100 Max)   | 5 (100 Max)  | 5 (100 Max)   | 5 (100 Max)   | 5 (100 Max)   | 5 (100 Max)   | 5 (100 Max)   |
| Function Button                            | 24                             | 24  | 24  | 8   | 24   | 24  | 8   | Yes*  | Yes*  | Yes*  |
| Interface for CTI (3rd party)              | USB                            | USB   | -   | -   | PC LAN Port  | PC LAN Port   | PC LAN Port   | -   | -   | -   |
| Add on Key Module/DSS Console              | Yes/Yes                        | Yes/Yes   | -/-   | -/-   | Yes/-  | Yes/-   | -/-   | -/-   | -/-   | -/-   |
| Bluetooth Module                           | Yes                            | Yes   | -   | -   | Yes  | Yes   | -   | -   | -   | -   |
| Digital Extra Device Port                  | Yes                            | Yes   | Yes   | -   | -  | -   | -   | Wireless XDP  | Wireless XDP  | Wireless XDP  |
| Navigation Key                             | Yes                            | Yes   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   | Yes   |
| Ringer Tone/Melody                         | 30                             | 30  | 30  | 8   | 30   | 30  | 10  | 15+ Vibration   | 15+ Vibration   | 15+ Vibration   |
| Wall Mounting                              | Yes                            | Yes   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes (Charger)   | Yes (Charger)   | Yes (Charger)   |
| Color                                      | Black/White                    | Black/White   | Black/White   | Black/White   | Black/White  | Black/White   | Black/White   | Silver  | Silver  | Black   |
| IP54 (Splash & Dust Resistant)             | -                              | -   | -   | -   | -  | -   | -   | -   | -   | Yes   |

\*Soft buttons on LCD.

## Additional Compatible Phones in the Line-Up

### IP Proprietary Phones and IP Softphone:

- KX-NT265** IP Telephone with 8 Buttons, 1-Line Backlit LCD and Speakerphone
- KX-NT136** IP Telephone with 24 Buttons, 6-Line Backlit LCD and Speakerphone
- KX-TDA0350** IP Software Phone (Softphone)

### Advanced Digital Proprietary Phones:

- KX-T7625** Digital Telephone with Speakerphone
- KX-T7630** Digital Telephone with 24 Buttons, 3-Line LCD and Speakerphone
- KX-T7633** Digital Telephone with 24 Buttons, 3-Line Backlit LCD and Speakerphone
- KX-T7636** Digital Telephone with 24 Buttons, 6-Line Backlit LCD and Speakerphone
- KX-T7667** Digital Telephone with 12 Buttons, 1-Line LCD and Speakerphone

### Analog Proprietary Phones:

- KX-T7750** Analog Telephone with 24 Buttons
- KX-T7720** Analog Telephone with 24 Buttons and Speakerphone
- KX-T7731** Analog Telephone with 24 Buttons, 1-Line Backlit LCD and Speakerphone
- KX-T7736** Analog Telephone with 24 Buttons, 3-Line Backlit LCD and Speakerphone
- KX-T7737** Analog Telephone with 24 Buttons, 3-Line Backlit LCD, Speakerphone and Talking Caller ID



### KX-TVA50 Voice Mail System

By adding a KX-TVA series voice processing system, calls can be easily managed by using the built-in automated attendant service, voice mail with email integration, and more.

- 2 to 6 Ports and 64 Mailboxes
- 4-8 Hour System Recording Time
- E-message (e-mail integration: Send .wav file by e-mail)
- Telephone LCD Voice Mail Menu
- Custom 1-Digit Access Service
- Live Call Screening (LCS)
- Two-Way Recording
- Two-Way Transfer

The KX-TDA50G is backwards compatible with 7200 and 7400 series phones.