

THE FREEDOM TO  
CHOOSE THE WAY YOUR  
COMMUNICATIONS  
GROW



# HANDSETS THAT DELIVER THE EFFECTIVE COMMUNICATIONS YOU DEMAND

Exceptional audio quality and proven reliability

Intuitive, stylish, user-friendly design

A range to cover the specific requirements  
of your business

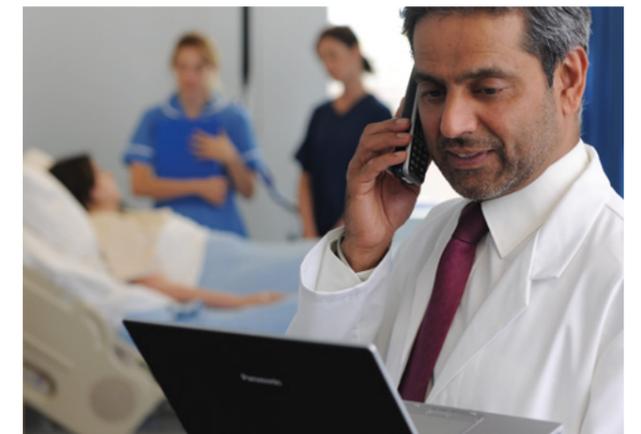
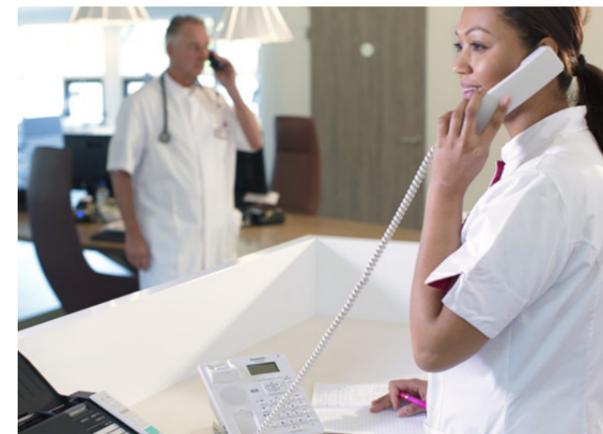
Choose from IP, digital, SIP or DECT terminals

Cross-sector capability

Choosing the correct telephone terminal for your business is an important decision. Your terminals become an essential tool for improving the efficiency of your business and the quality of service you offer your customers.

With a proven reputation for quality audio and intelligent design, Panasonic can help you choose telephone terminals that match your specific needs exactly, as we offer handsets that cover the full spectrum of business requirements.

Whatever your industry – it might be hospitality, healthcare, education, local government, sales or any other – and whether you decide to opt for IP, digital or our cordless handsets, you'll find that every model we offer is intuitive, user-friendly and fully featured for business use.





## KX-NT5 & 6 Series

The KX-NT5 & 6 Series IP telephones take you to a new dimension in audio experience through excellent HD quality audio on every phone, combined with easy access to powerful supportive features and applications. The sleek, ultra-modern design, available in both black or white colour options, works well with any office decor.

### High Definition 'HD' Audio

The KX-NT5 & 6 Series of IP terminals offers 'best in class' audio quality, meaning fewer repeated conversations and misheard calls. Offering Wideband High Definition Audio as standard across the range, the Series offer G.722, G.711, G.726 and G.729a Codecs.

### LCD Displays

Large, clear LCD displays with intuitive user interface offer fast access to phonebooks and features.

Packed with a whole host of features, the IP telephones could not be simpler to use. The phones have large alphanumeric displays, Bluetooth® module built in providing wireless headset support, easy navigation key and a second IP port to reduce desktop cable clutter.

### Electric Hook Switch

A built-in Electronic Hook Switch (Plantronics compliant) port (on most of the phones) allows the IP Terminals to have access to the Plantronics range of DECT-enabled headsets. This offers a range of portability and comfort as frequent users are able to move around freely, without being tied down by handsets. The KX-NT560 & KX-NT680 also support Bluetooth® headsets.

The IP telephones offer a gigabit LAN/PC port, meeting the increasing requirements of office IP networks and, on some models, a self-labelling feature which makes the initial setting and remote maintenance easier. It also supports DSS connectivity for operator-type users.



### KX-NT680

#### Executive IP phone

- Large colour LCD with 480 x 272 pixel
- Flexible function keys of 12 items x 4 pages with self labelling
- Built-in Bluetooth®
- Supported SRTP for secure communication
- Any image data can be displayed on LCD

### KX-NT630

#### Executive IP phone

- Large LCD with backlight
- Flexible function keys of 6 items x 4 pages with self labelling
- Headset port
- Supported SRTP for secure communication
- Intuitive monochrome LCD screen



### KX-NT560

#### Executive IP phone

- 4.4" LCD display with backlighting
- Plantronics /Jabra Wireless headset (EHS)-compatible
- 32 (8x4) freely programmable function keys
- 2 Ethernet ports (1000 Base-T)
- Power-over-Ethernet (PoE)
- Integrated Bluetooth®
- Eco mode



### KX-NT546/KX-NT543

#### Standard IP phone

- 6-line display with backlighting (KX-NT546) /3-line display with backlighting (KX-NT543)
- Plantronics wireless headset (EHS)-compatible
- 24 freely programmable function keys
- 2 Ethernet ports (100 Base-T)
- Power-over-Ethernet (PoE)
- Eco mode



### KX-NT551

#### Standard IP phone

- 1-line backlit LCD display
- 8 flexible CO buttons
- 2 Ethernet ports (1000 Base-T)
- Power-over-Ethernet (PoE)
- Eco mode
- Optional wall mount kit



### KX-NT556/KX-NT553

#### Executive IP phone

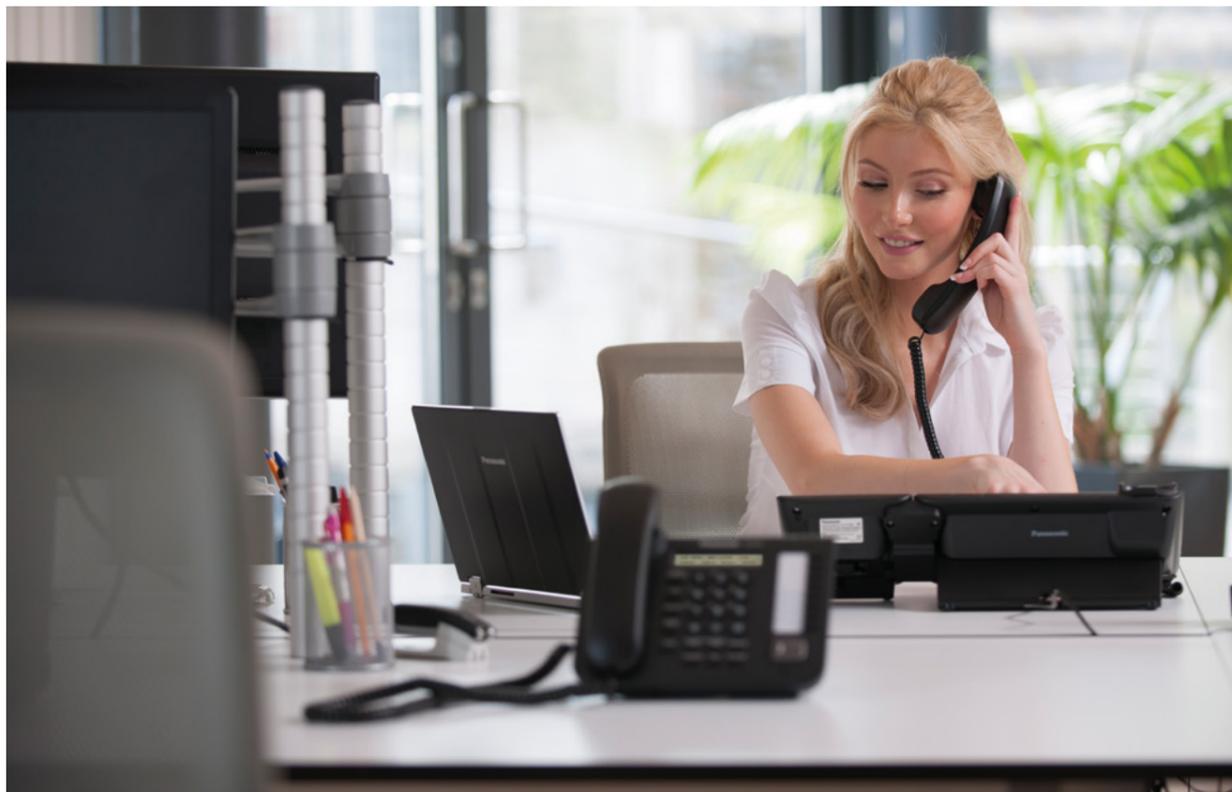
- 6-line LCD display with backlighting (KX-NT556) /3-line LCD display with backlighting (KX-NT553)
- 36 (12x3)/24 (12x2) freely programmable function keys
- 2 Ethernet ports (1000 Base-T)
- Power-over-Ethernet (PoE)
- Plantronics and GN Netcom Jabra wireless headset (EHS)-compatible
- Eco mode
- Optional wall mount kit
- Optional KX-NT505 console



### KX-NT505

#### 48-button console

- 48 DSS buttons, to be used in full flexibility e.g.:
  - Direct station selection
  - Pre-programmable one-touch number dialling
  - Frequently used features
  - Busy station signalling
- Direct connected to the KX-NT556/KX-NT553
- Maximum of 4 DSS consoles per phone can be connected
- Wall mountable



## KX-DT500 SERIES

Combining pure business performance with attractive, ergonomic design, Panasonic's KX-DT500 Series of digital proprietary telephones represents a wide line-up of terminals built for every commercial setting.

Sharing the audio excellence of our IP phones, the KX-DT500 Series also offer outstanding voice quality on every phone, supported by a host of valuable features and applications. Equally, the phones couldn't be easier to use, with large alphanumeric displays, programmable keys, EHS ports providing wireless headset support and an easy navigation key.

### Electric Hook Switch (EHS)

A built-in Electronic Hook Switch (Jabra also supported) port allows the KX-DT500 Series IP Terminals to have access to the Plantronics range of DECT-enabled headsets. This offers a range of portability and comfort as frequent users are able to move around freely, without being tied down by handsets.

### LCD Display

Large, clear LCD display with intuitive user interface offers fast access to phonebooks and features.



### KX-DT546

Premium digital proprietary telephone

- 6-line graphical LCD with backlighting
- 24 freely programmable function keys
- Plantronics and GN Netcom Jabra wireless headset (EHS)-compatible
- Speaker phone, handset and headset with full duplex



### KX-DT543

Executive digital proprietary telephone

- 3-line graphical LCD with backlighting
- 24 freely programmable function keys
- Plantronics and GN Netcom Jabra wireless headset (EHS)-compatible
- Speaker phone, handset and headset with full duplex



### KX-DT521

Standard digital proprietary telephone

- 1-line graphical LCD with backlighting
- 8 freely programmable function keys
- 2.5mm headset port
- Speaker phone, handset and headset with full duplex



### KX-DT590

48-button digital console

- 48 buttons, to be used in full flexibility, e.g.:
  - Direct station selection
  - Pre-programmable one-touch number dialling
  - Frequently used features
  - Busy station signalling
- Wall mountable

The KX-DT590 system console offers 48 freely programmable function keys with green/red LEDs that show the respective status of the terminals. It can be connected via a digital extension port, suitable for desk and wall mounting, and can be used in connection with the KX-DT546 and KX-DT543 digital terminals.

# KX-TCA85 SERIES

While many phone handsets are easily damaged by knocks and bumps in working environments, the range-topping KX-TCA385 DECT handset is ready for anything. Protection from dust and splashes, and resistant to shock, it can perform in even the harshest environments.

To ensure efficient, comfortable and clear communication, the handsets in the KX-TCA85 Series are equipped with a noise-reduction function, which can be enabled at the press of a button. This function reduces surrounding noise and makes the speaker's voice far easier to hear and understand.

Additionally, the handsets automatically adjust the receiver volume to an easy-to-hear level if it detects noise when moving from a quiet place to a noisy place, providing comfortable voice calls without stress.

Because work in factories, the healthcare and retail industries often requires both hands to be used, it can be difficult to communicate while holding a phone. The KX-TCA385 and KX-TCA285 support Bluetooth®, which enables you to communicate using a cable-free headset while working, leading to improved work efficiency.



# MOBILE SOFTPHONE

Where freedom makes a positive contribution to our world

The beauty of the Mobile Softphone is that it gives your teams the freedom to use the smartphones they're already comfortable with, meaning they're more productive than ever. And it gives your business the freedom to work in the most flexible, responsive and cost-effective way possible. Not only that, it follows the Panasonic ethos of making a positive contribution to society. By providing previously unachievable levels of flexibility and 'work anywhere' capability, it's helping to streamline the working world, at the leading edge of a new generation of ease and efficiency.

### Enjoy seamless connectivity with a PBX extension

With Panasonic Mobile Softphone, you can use your smartphone as a company extension. The application also supports push notification – so even when it isn't started up, you'll receive a notification whenever you have an incoming call. Not only does this mean you need never miss a call, it's also an effective means of saving battery power. For additional versatility and seamless performance, you can set two IP addresses to allow your users to

connect to the right network, whether they're in your company WiFi network or an outside location.

### Reassuringly secure

We understand how important security is to you and your business. So the Panasonic Mobile Softphone supports SIP-TLS (Transport Layer Security). With this technology, potential risks are absolutely minimised, as hackers can't view the SIP communication data and are unable to access your network. For even greater security, when the application detects a non-Panasonic SIP extension trying to log in, it can reject the connection. If it's more convenient and appropriate for you, this functionality can be disabled.

### The easiest of installations

Getting started with the Mobile Softphone couldn't be easier. You simply download the app free of charge from the App Store or Google Play, and apply your chosen settings. There's no need to prepare any further technology, such as a server.



## KX-TCA385

Tough and durable DECT handset for every environment

- 1.8" colour LCD
- IP65 compliant dust protection and splash resistance
- Noise reduction
- DECT paging
- Vibration call alert
- Built-in Bluetooth®

## KX-TCA285

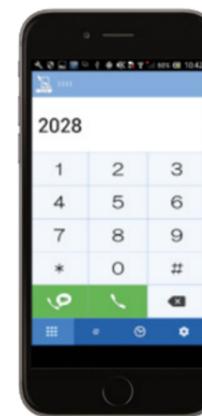
Slim and light DECT handset for highly active environments

- 1.8" colour LCD
- Noise reduction
- DECT paging
- Vibration call alert
- Built-in Bluetooth®

## KX-TCA185

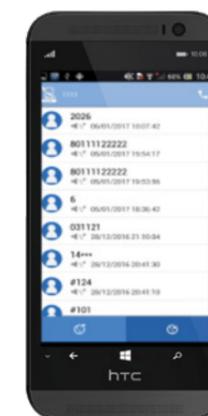
Professional DECT handset for efficient performance

- 1.8" colour LCD
- Noise reduction
- DECT paging
- Vibration call alert



### Dial pad

Standard, easy-to-use dialling screen.



### In/out call log

You can check the in/out call log for calling assistance.



### Voice call

The simple, easy-to-use screen lets you control speakers, the mute feature, and other functions.



### Video call

The dual-window display for both you and the person you are talking to makes it easier to discuss details.



## KX-HDV SERIES

The innovative KX-HDV series of SIP deskphones brings you exceptional communication performance, faultless reliability and long-term cost savings in one complete package. Able to connect to multiple lines whilst offering crystal-clear HD sound, bright LCD technology and support for BroadSoft, this world-leading and versatile range now boasts touchscreen capability and desktop video communication.

### TFT touch panel

The KX-HDV430's 4.3" colour LCD touch panel with backlight makes video images crisp and clear and encourages simple and intuitive operation.

### Video communication

The built-in video camera allows face-to-face conversation via the phone's colour LCD screen, while a 3-party videoconferencing feature enables remote and increasingly flexible business meetings.

### IP camera linking feature

By linking with an IP camera you can visually monitor and manage on-site environments such as your factory or sales floor without leaving your desk.

### HD voice quality

Comes complete with HD sound with wideband audio including full duplex speakerphone, acoustic echo cancellation and packet loss concealment to maximise wideband performance and enable crystal-clear communication.



### KX-HDV130

Flexible features for cost-conscious businesses

- Up to 2 SIP accounts
- 2.3" LCD screen
- HD sound with wideband audio
- Full duplex speakerphone
- Support for UC features including BroadSoft UC-One/uaCSTA
- 2 x LAN ports

### KX-HDV230

Multiple features, minimal cost

- Up to 6 SIP accounts
- 2.3" main LCD screen
- 5" self-labelling LCD
- HD sound with wideband audio
- Full duplex speakerphone
- Support for UC features including BroadSoft UC-One/uaCSTA
- 2 LAN GbE ports
- 24 (12x2) physical flexible function keys

### KX-HDV340

Business communication at your fingertips

- Up to 4 SIP accounts
- 4.3" colour TFT LCD touch panel
- Built-in Bluetooth®
- 24 flexible function keys with optional expansion to up to 224 keys
- Full duplex speakerphone
- HD sound with wideband audio
- BroadSoft UC-One/uaCSTA

### KX-HDV430

Flexible Visual Communication

- Up to 16 SIP accounts
- Built-in video camera
- 4.3" colour TFT LCD touch panel
- Ability to link with an IP camera
- 24 flexible function keys
- HD sound with wideband audio
- BroadSoft UC-One/uaCSTA
- Built-in Bluetooth®



### KX-HDV20 IP DSS Console

Easy expansion for enhanced professional use

- 20 DSS buttons x 2 pages, to be used in full flexibility, e.g.:
  - Direct Station Selection
  - Pre-Programmable One-Touch Number dialling
  - Frequently used features
  - Busy Station Signalling
- Direct connected to the KX-HDV230/ KX-HDV330/ KX-HDV430
- Maximum of 5 DSS console per phone can be connected
- Available in black and white

# KX-TGP/TPA SERIES

SIP Cordless Phone System



## KX-TGP600

When quality is critical and cost reduction a key consideration, Panasonic's KX-TGP600 Smart IP wireless DECT phone system is the ideal business communication tool. Easy to install and delivering the flexibility and reliability that are the hallmarks of Panasonic SIP technology, it represents a complete mobility solution at a very reasonable price.

### An easy-to-manage solution

The KX-TGP600 is remarkably easy to set up and manage. Its provisioning function enables remote configuration settings and handset management. Users can choose from two maintenance methods – local management with a base unit, or service provider management.

### A fully expandable solution

Users can connect as many as eight DECT wireless handsets or deskphones to the system. With the ability to use eight outside lines simultaneously, customer service becomes more efficient, and the cost and effort of installing and managing separate outside lines are removed completely. Similarly, the system allows users to have up to eight distinct phone numbers.

### A high-quality solution

A noise-reduction function reduces surrounding noise and enhances the clarity of the call at the press of a button (except KX-TPA65). The KX-TGP600 also automatically adjusts the receiver volume to an easy-to-hear level if the user moves from a quiet area to somewhere noisier.

### A cost-saving solution

The combination of quality, reliability, ease and flexibility add up to a significant reduction in the overall cost of ownership of the KX-TGP600. Add this to a low initial cost and you have a system that offers far greater return on the user's investment over the lifetime of the technology.

Compatible with the KX-TGP600 smart IP wireless phone system, the KX-TPA60 wireless (DECT) handset allows businesses to expand their communications as they grow. When combined with the KX-A406 repeater, they provide wide-ranging coverage that integrates flexibility and enhanced customer service throughout the operations of a business.

The KX-TPA60 is supported by, and included with, the KX-TGP600. This model can also work alongside any combination of additional KX-TPA60, KX-TPA65, KX-UDT121 or KX-UDT131 handsets (KX-TPA60 + up to 7 handsets).

Compatible with the KX-TGP600 smart IP wireless phone system, the KX-TPA65 & KX-TPA68 wireless desk phones offer a significant advantage over 'traditional' desk phones. While they feature the same range of desktop functionality as their wired competitors, the phone's DECT capabilities means no wired LAN is required when installation is being carried out, making the process more convenient and straightforward.



### KX-TPA60

Wireless basic handset

- 1.8" colour LCD with backlight
- HD wideband audio (G.722)
- 500 phone book address/20 last dialled number memory
- Soft keys
- Local or network intercom



### KX-TPA65

Wireless desk phone

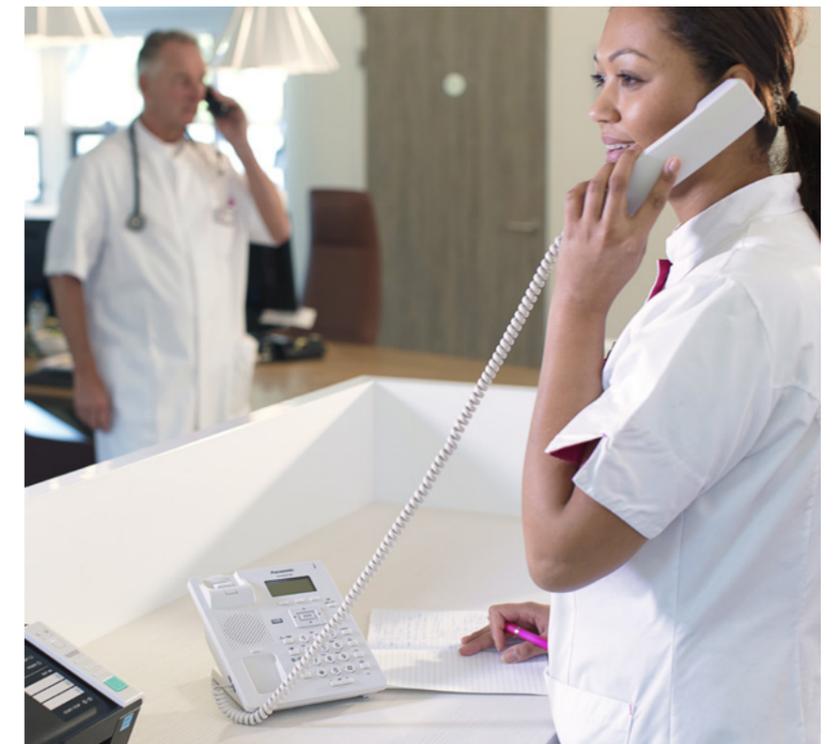
- 1.8" colour LCD with backlight
- 3-colour LED indicator
- HD wideband audio (G.722)
- Headset jack
- Easy installation without wired LAN



### KX-TPA68

Wireless desk phone

- 3.5" colour LCD with backlight
- 18 flexible function keys
- 4 soft-keys
- HD wideband audio (G.722)
- Headset jack



# KX-UDS124

The new Panasonic range features two new fully featured DECT handsets, plus a new four-channel High-Definition Voice DECT Cell Station.

### Simple configuration

Phonebook entries for the handsets can be edited using a simple PC interface, with changes and updates sent 'over the air'. With five numbers stored per contact you can be sure that it's easy to keep all your contact details up to date and organized.

### Audio quality

Panasonic considers high voice quality to be paramount – to ensure your message is understood, in common with our other SIP terminals, the new range of SIP-based DECT devices offers superb HD voice quality, using the G.722 wideband codec, for crystal-clear call quality. Enhanced radio systems keep call quality clear even at the extremes of cell coverage, thanks to Panasonic's enhanced voice processing technology. Performance in noisy environments is also improved – ambient noise is intelligently detected and reduced, giving optimum performance in areas subject to high background noise levels. Automatic volume control is also included to enhance intelligibility.

### Multi-zone SIP-based DECT

The ability to hand over calls seamlessly between DECT cells gives you the freedom to move anywhere in the organisation, staying in touch all the while – moving between cells in the same air sync group is completely transparent.

### Compatibility

The range is built with a SIP server independent architecture, for wide-ranging compatibility. The KX-UDS124 Cell Station is already certified for use with Digium Asterisk and BroadSoft BroadWorks.

### Versatility

SIP DECT solutions give the opportunity to utilize an existing network infrastructure to carry voice and signalling traffic to the cell stations – no extra special cabling is required. System maintenance is simple, and can be carried out remotely using any networked PC. Cell stations are easy to deploy, thanks to their simple and powerful remote administration system.

## KX-UDS124

### SIP DECT Cell Station

- Four-channel high quality voice cell station
- Supports four simultaneous HD voice calls per CS
- Air synchronisation
- G.722, G.711, G.729a, G.726 codec support
- 10base-t / 100base-TX Ethernet port
- VLAN support
- DECT encryption
- Seamless handover and roaming between cells



# KX-UDT SERIES

## Panasonic SIP DECT Multi-Cell telephony systems

### Simple configuration

Phonebook entries for the handsets can be edited using a simple PC interface, with changes and updates sent 'over the air'. With five numbers stored per contact you can be sure that it's easy to keep all your contact details up to date and organised. The Panasonic SIP-based DECT system gives great flexibility during installation – smaller deployments can be configured using the simple Web interface built in to the UDS124 Cell Station, while larger systems can be deployed using configuration files downloaded from a TFTP, HTTP, HTTPS and FTP server or the cell station web interface. Telecoms carriers can roll out large systems in a single step, by using a provisioning server to ensure the correct configuration details are delivered to every device.

No additional servers/controllers are required for the Panasonic SIP DECT system – all facilities are provided from within the DECT cell stations. Cell stations can be configured to allow seamless handover and roaming between cell coverage areas to make sure that DECT coverage can be made available even on large sites.



### Audio quality

Panasonic considers high voice quality to be paramount – to ensure your message is understood. In common with our other SIP terminals, the new range of SIP-based DECT devices offers superb HD voice quality, using the G.722 wideband codec, for crystal clear call quality.

Enhanced radio systems keep call quality clear even at the extremes of cell coverage, thanks to Panasonic's enhanced voice processing technology. Performance in noisy environments is also improved – ambient noise is intelligently detected and reduced, giving optimum performance in areas subject to high background noise levels. Automatic volume control is also included to enhance intelligibility.

### Multi-zone SIP-based DECT

The ability to handover calls seamlessly between DECT cells gives you the freedom to move anywhere in the organisation, staying in touch all the while – moving between cells in the same air sync group is completely transparent.



## KX-UDT111

### Standard office DECT handset

- High quality wideband voice
- Background noise reduction
- 1.8" colour LCD display
- Vibration call alert
- UDT111 200 hours standby, approx. 11 hours talk time
- 500 number phonebook
- 'Over the air' maintenance
- Headset support via 2.5mm jack



## KX-UDT121

### Slim and light DECT handset

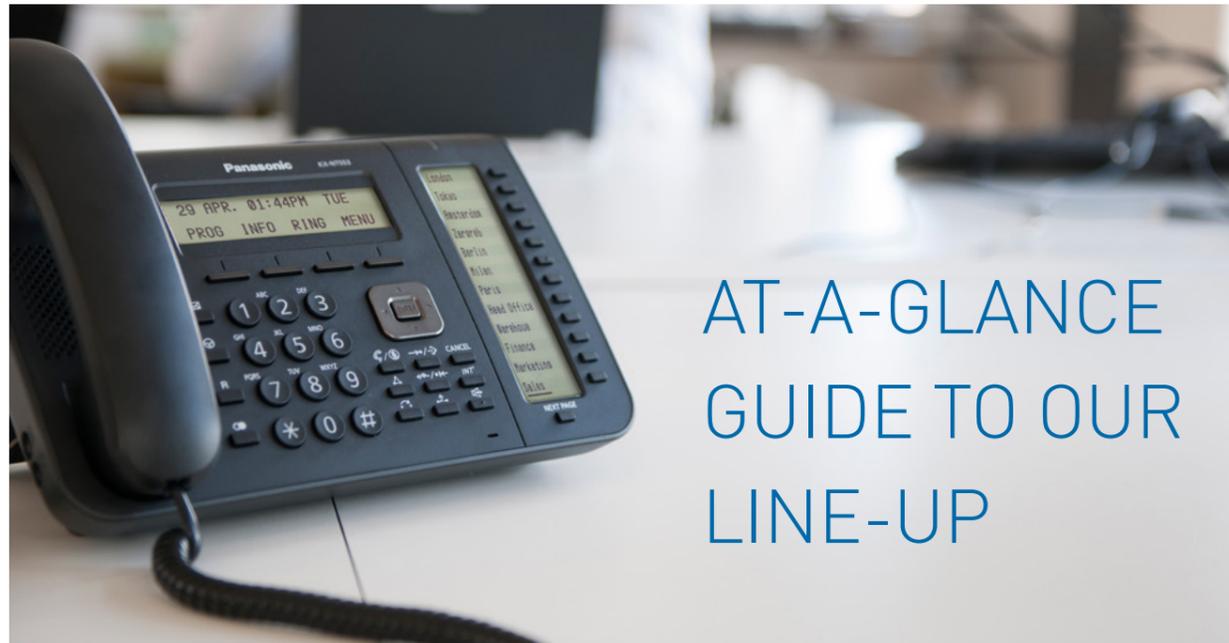
- High quality wideband voice
- Background noise reduction
- 1.8" colour LCD display
- Vibration call alert
- UDT121 200 hours standby, approx. 13 hours talk time
- 500 number phonebook
- 'Over the air' maintenance
- Built-in Bluetooth®
- Headset support via 2.5mm jack



## KX-UDT131

### IP65 Tough DECT handset

- High quality wideband voice
- Background noise reduction
- Full-duplex hands-free
- 'Over the air' maintenance
- Vibration call alert
- Hazard Level IP65 Protection (IEC529)
- 500 number phonebook
- Built-in Bluetooth®



## AT-A-GLANCE GUIDE TO OUR LINE-UP



| SIP DECT Multi-Cell Telephones  |  |  |  |
|---|--|--|--|
|   | KX-UDT111  | KX-UDT121  | KX-UDT131  |
|   |  |  |  |
| LCD Size  | 1.8" colour LCD  | 1.8" colour LCD  | 1.8" colour LCD  |
| Headset Port  | Yes (2.5 mm mini pin jack)   | Yes (2.5 mm mini pin jack)   | -  |
| Bluetooth®  | -  | Yes (built-in)   | Yes (built-in)   |
| HD Voice (Wideband Voice)   | Yes  | Yes  | Yes  |
| Noise Reduction / Advanced Voice Clarity  | Yes  | Yes  | Yes  |
| SP PHONE  | Yes (full duplex)  | Yes (full duplex)  | Yes (full duplex)  |
| DECT Encryption   | Yes  | Yes  | Yes  |
| Call Log Entries  | 20 incoming calls + 20 outgoing calls  | 20 incoming calls + 20 outgoing calls  | 20 incoming calls + 20 outgoing calls  |
| Redial<br>Do Not Disturb<br>Three-Party Conferencing<br>Call Transfer<br>Call Hold<br>Call Forward<br>Call Waiting<br>Message Waiting | Yes  | Yes  | Yes  |
| Vibrate Ring  | Yes  | Yes  | Yes  |

| DECT Wireless System Portable Station  |  |  |  |
|--|--|--|--|
|  | Tough Model  | Slim and Light Model   | Standard Model   |
|  | KX-TCA385  | KX-TCA285  | KX-TCA185  |
|  |  |  |  |
| Main LCD Display                       | 1.8" colour LCD  | 1.8" colour LCD  | 1.8" colour LCD  |
| LED                                    | Ringer/charge  | Ringer/charge  | Ringer/charge  |
| Handset Phonebook (PBX)                | Up to 500 numbers  | Up to 500 numbers  | Up to 500 numbers  |
| Call Log Incoming/Outgoing Calls (PBX) | 10 / 5   | 10 / 5   | 10 / 5   |
| Flexible CO Keys                       | 12   | 12   | 12   |
| Soft Keys                              | 3  | 3  | 3  |
| Redial                                 | Yes  | Yes  | Yes  |
| Message Waiting Indication             | Yes  | Yes  | Yes  |
| Three-Party Conference                 | Yes  | Yes  | Yes  |
| DECT Paging                            | Yes  | Yes  | Yes  |
| Built-in Bluetooth®                    | Yes  | Yes  | -  |
| Phonebook Transfer via Bluetooth®      | Yes (vCard V2.1)   | Yes (vCard V2.1)   | -  |
| Noise Reduction                        | Yes  | Yes  | Yes  |
| Splash and Dust Resistant              | IP65*1   | -  | -  |
| Speakerphone (Full Duplex)             | Yes  | Yes  | Yes  |
| Headset Port                           | -  | Yes  | Yes  |
| Vibrate Ring                           | Yes  | Yes  | Yes  |
| Battery Talk/Standby Time*2            | Up to 13 hours/Up to 200 hours   | Up to 13 hours/Up to 200 hours   | Up to 11 hours/Up to 200 hours   |
| Battery Charge Time                    | 3 hours  | 3 hours  | 7 hours  |
| Battery Type                           | Li-ion battery pack x 1  | Li-ion battery pack x 1  | Ni-MH AAA battery x 2  |
| Belt Clip                              | Yes (clip type)  | Yes (swivel type)  | Yes (swivel type)  |
| Dimensions (W x D x H) (mm)            | 55 x 23 x 151.5  | 48.5 x 17.9 x 127.5  | 48.2 x 25.4 x 146.3  |
| Weight (g)                             | 150 (belt clip is included)  | 88   | 115  |

\*1 IP65 compliant: Protection against water jets projected from a nozzle from any direction and protection against dust entering the handset.  
\*2 Operating time may be shorter than listed above depending on usage conditions and ambient temperature.



| IP Proprietary Telephones           |   |   |   |  |   |
|-------------------------------------|---|---|---|--|---|
|                                     | KX-NT680  | KX-NT630  | KX-NT560  | KX-NT556   | KX-NT553  |
|                                     |  |  |  |  |  |
| Main LCD Display (Lines/Characters) | Colour 480x272  | Monochrome 3.6"   | 6 / 24  | 6 / 24   | 3 / 24  |
| LCD Backlight                       | Yes   | Yes   | Yes   | Yes  | Yes   |
| Flexible CO Keys                    | 4 x 12  | 4 x 6   | 4 x 8   | 3 x 12   | 2 x 12  |
| Self-Labeling                       | Yes   | Yes   | Yes   | Yes  | Yes   |
| Navigator Keys                      | Yes   | Yes   | Yes   | Yes  | Yes   |
| Soft Keys                           | 5   | 4   | 4   | 4  | 4   |
| Call Log (Incoming/Outgoing Calls)  | Yes/Yes   | Yes/Yes   | Yes/Yes   | Yes/Yes  | Yes/Yes   |
| Auto Redial                         | Yes   | Yes   | Yes   | Yes  | Yes   |
| Ethernet Port                       | 2 x 10/100/1000   | 2 x 10/100/1000   | 2-Port (GbE)  | 2-Port (GbE)   | 2-Port (GbE)  |
| Power over Ethernet (PoE)           | Yes   | Yes   | Yes   | Yes  | Yes   |
| AC Adaptor                          | Option  | Option  | Option  | Option   | Option  |
| Eco Mode                            | No  | No  | Yes   | Yes  | Yes   |
| Speakerphone                        | Yes (full duplex)   | Yes (full duplex)   | Yes (full duplex)   | Yes (full duplex)  | Yes (full duplex)   |
| Headset Port                        | Yes   | Yes   | Yes   | Yes  | Yes   |
| Electric Hook Switch (EHS)          | Yes   | No  | Yes   | Yes  | Yes   |
| Built-in Bluetooth®                 | Yes   | No  | Yes   | -  | -   |
| Wall Mountable                      | Option  | Option  | Option  | Option   | Option  |
| Black/White                         | Yes   | Yes   | Yes   | Yes  | Yes   |

| Options              |          |     |     |     |     |     |
|----------------------|----------|-----|-----|-----|-----|-----|
| Add-on 48-Key Module | KX-NT505 | -   | -   | -   | Yes | Yes |
| Digital DSS console  | KX-DT590 | -   | -   | -   | -   | -   |
| Wall Mount Kit       | KX-A433  | -   | -   | Yes | Yes | Yes |
|                      | KX-A432  | -   | -   | -   | -   | -   |
|                      | KX-A435  | Yes | Yes | -   | -   | -   |

| IP Proprietary Telephones   |   |   |
|---|---|---|
| KX-NT551  | KX-NT546  | KX-NT543  |
|  |  |  |
| 1 / 16  | 6 / 24  | 3 / 24  |
| Yes   | Yes   | Yes   |
| 8   | 24  | 24  |
| -   | -   | -   |
| Yes   | Yes   | Yes   |
| -   | 4   | 4   |
| Yes/Yes   | Yes/Yes   | Yes/Yes   |
| Yes   | Yes   | Yes   |
| 2-Port (GbE)  | 2-Port  | 2-Port  |
| Yes   | Yes   | Yes   |
| Option  | Option  | Option  |
| Yes   | Yes   | Yes   |
| Yes (full duplex)   | Yes   | Yes   |
| Yes   | Yes   | Yes   |
| -   | Yes   | Yes   |
| -   | -   | -   |
| Option  | Option  | Option  |
| Yes   | Yes   | Yes   |

| Options |     |     |
|---------|-----|-----|
| -       | -   | -   |
| -       | -   | -   |
| -       | Yes | Yes |
| Yes     | -   | -   |
| -       | -   | -   |

| Digital Proprietary Telephones  |   |   |
|---|---|---|
| KX-DT546  | KX-DT543  | KX-DT521  |
|  |  |  |
| 6 / 24  | 3 / 24  | 1 / 16  |
| Yes   | Yes   | Yes   |
| 24  | 24  | 8   |
| -   | -   | -   |
| Yes   | Yes   | Yes   |
| 4   | 4   | -   |
| Yes/Yes   | Yes/Yes   | Yes/Yes   |
| Yes   | Yes   | -   |
| -   | -   | -   |
| -   | -   | -   |
| Yes (full duplex)   | Yes (full duplex)   | Yes (full duplex)   |
| Yes   | Yes   | Yes   |
| Yes   | Yes   | -   |
| -   | -   | -   |
| Option  | Option  | Option  |
| Yes   | Yes   | Yes   |

| Options |     |     |
|---------|-----|-----|
| -       | -   | -   |
| Yes     | Yes | Yes |
| Yes     | Yes | -   |
| -       | -   | Yes |
| -       | -   | -   |



| SIP Desktop Telephones              |   |   |   |   | Smart IP Wireless System  |   |   |
|-------------------------------------|---|---|---|---|---|---|---|
|                                     | KX-HDV130   | KX-HDV230   | KX-HDV340   | KX-HDV430   | KX-TPA60  | KX-TPA65  | KX-TPA68  |
|                                     |  |  |  |  |  |  |  |
| Main LCD Display (Lines/Characters) | 2.3" b/w  | 2.3" b/w  | 4.3" colour   | 4.3" colour   | 1.8" colour   | 1.8" colour   | 3.5" colour   |
| LCD Backlight                       | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Flexible CO Keys                    | -   | 2 * 12  | 24 (on screen)  | 24 (on screen)  | Yes   | Yes   | Yes   |
| Self-Labeling                       | -   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Navigator Keys                      | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Call Log (Incoming/Outgoing Calls)  | Yes (30 / 30)   | Yes (20 / 20)   | Yes (20 / 20)   | Yes (20 / 20)   |
| Auto Redial                         | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Ethernet Port                       | 2 (10 / 100)  | 2 (10 / 100 / 1000)   | 2 (10 / 100 / 1000)   | 2 (10 / 100 / 1000)   | 2 (10 / 100)  | 2 (10 / 100)  | 2 (10 / 100)  |
| Power over Ethernet (PoE)           | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| AC Adaptor                          | Yes (accessory)   | Yes (accessory)   | Yes (accessory)   | Yes (accessory)   | Yes   | Yes   | Yes   |
| Eco Mode                            | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Speakerphone                        | Yes   | Yes (full duplex)   | Yes (full duplex)   | Yes (full duplex)   | Yes   | Yes   | Yes   |
| Headset Port                        | -   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Electric Hook Switch (EHS)          | -   | Yes   | Yes   | Yes   | -   | -   | -   |
| Built-in Bluetooth®                 | -   | -   | Yes   | Yes   | -   | -   | -   |
| Wall Mountable                      | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Colour                              | Black & white   | Black & white   | Black & white   | Black & white   | Black   | Black   | Black   |

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**Important**

- Safety Precaution: carefully read the operating instructions and installation manual before using these products.

- Some models will be available to limited countries.
- The images shown of products display and lamps are composite images.
- Weights and dimensions are approximate.
- Design and specification subject to change without notice.
- These products may be subject to export control regulations.

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