



**Business IP  
wireless DECT solutions**



**Enhancing communications.  
Increasing freedom.**

# High-quality communications designed for you

For any business looking to reduce the cost of communications, simplify administration and improve efficiency by staying connected everywhere, Panasonic's IP wireless DECT phone solutions are the ideal answer.

Offering single and multi-cell IP wireless solutions based on DECT, which include IP wireless DECT desktop terminals and DECT handsets and repeaters, our systems reduce your total cost of ownership and help to improve customer service levels. And whatever the size of your business, our IP wireless DECT solutions are designed to be as flexible as you need, being scalable and easily upgraded as your requirements change.







# Panasonic single-cell DECT system

## The complete wireless DECT communication solution



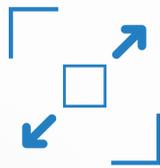
When quality is critical and cost reduction a key consideration, Panasonic's KX-TGP600 Smart IP wireless DECT phone system is the ideal business communication tool.

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.



### A stylish, specialist solution

There are a wide variety of handsets which are compatible with the KX-TGP600. Among those is the KX-TPA60 DECT wireless handset, offering a 1.8" colour LCD with backlight, HD wideband audio (G.722) and 500 phone book address/20 last dialled number memory. There's also the KX-TPA65 wireless deskphone, which offers a significant advantage over 'traditional' deskphones, as its DECT capabilities mean no additional cabling is required when the system is being installed.



## Main features of the compatible handsets and wireless deskphone

|                     | KX-TPA65                         | KX-TPA60                         | KX-UDT121                        | KX-UDT131                        |
|---------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| LCD                 | 1.8" colour 65K (128x160 pixels) |
| Battery life        |                                  |                                  |                                  |                                  |
| Stand-by            | Not applicable                   | 200 hours                        | 200 hours                        | 200 hours                        |
| Talk                | Not applicable                   | 11 hours                         | 13 hours                         | 13 hours                         |
| Battery charge time | Not applicable                   | 6 hours                          | 3 hours                          | 3 hours                          |
| PS phonebook        | 500 numbers                      | 500 numbers                      | 500 numbers                      | 500 numbers                      |
| Speakerphone        | Full duplex                      | Full duplex                      | Full duplex                      | Full duplex                      |
| Bluetooth           | Not applicable                   | Not applicable                   | Yes                              | Yes                              |
| Noise reduction     | No                               | Yes                              | Yes                              | Yes                              |

## KX-A406 wireless repeater

The coverage area of the base unit is approximately 300m outdoors and 50m indoors, depending on the environment. Because some users require greater coverage, the system can include an optional wireless repeater, the KX-A406, which can expand the practical communication area to around 200m indoors.

- Compatible with wideband audio
- Up to 3 units installable with a cascade connection
- Up to 4 calls simultaneously
- Up to 6 units can be registered to the KX-TGP600



# The system for many sectors

## Retail



- As most employees in a retail environment work away from the central office, wireless DECT handsets are a perfect tool, with the base station placed on the manager's desk.
- As different members of staff deal with customers at the same time, overlapping ring assignments mean calls are answered without delay.
- Separate numbers can be assigned to different departments, to ring on specific handsets.

## Warehouse



- Wireless DECT handsets, connected to a wireless desktop phone in the central office, ensure constant communication.
- With the KX-TGP600, there's no need for complex wiring over a large area, such as a warehouse.
- DECT coverage can be extended to outdoor areas, such as loading bays – and the KX-A406 repeater can extend this even further.
- The KX-UDT131, with its rugged design and dust protection, is the ideal handset for the tough environments encountered in a warehouse.

## Small offices



- The KX-TGP600 provides one system to serve the entire needs of small offices and home workers.
- Separate numbers and ring tones can be allocated to different functions – including a 'sales only' line.
- Incoming calls can be routed by DDI to specific handsets.

## Restaurants



- Mobility is important in a restaurant – wireless DECT handsets and a central base station make this possible.
- Separate numbers and ring tones can be allocated to different handsets for different departments.
- The KX-UDT131, with its rugged design and dust protection, can withstand the many challenges presented by working in a kitchen.

# Panasonic multi-cell DECT system

Connecting people  
across networks

Many organisations have already achieved improved customer satisfaction, cost savings, versatility and other business benefits through the use of SIP-based communications systems. Panasonic delivers all these advantages to wireless DECT solutions through our KX-UDS and KX-UDT SIP-based multi-cell DECT system.

This advanced system aims to provide organisations with a combination of mobility, excellent voice quality and SIP cost savings.

The range features three fully featured DECT handsets, plus a 4-channel HD voice DECT cell station. All handset models include a full duplex hands-free mode and headset support, giving the user plenty of options for keeping both hands free while staying in touch.

This range is platform independent and can work with any SIP compliant service, enabling high quality wireless DECT communications in any business. Networks of up to 128 cell stations and 255 handsets can be created.

IP wireless solutions based on DECT give the opportunity to use 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.





## 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 KX-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.



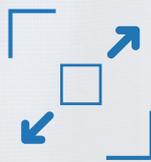
## Audio quality

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



## 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<sup>\*1</sup>, and BroadSoft BroadWorks<sup>\*2</sup>.

<sup>\*1</sup> Certified for Asterisk

<sup>\*2</sup> Certified for BroadSoft BroadWorks

# Range line-up

## Key benefits

- G.722 wideband audio support for excellent voice quality
- Handset choice to match functionality and costs
- Noise reduction feature for excellent performance in noisy environments
- Enhanced RF performance, for improved voice quality in weak reception areas
- Easy cell station deployment with no external DECT management server
- Simple administration via remote web console

## Product features

| Feature                 | Specification                             |
|-------------------------|---|
| Radio technology        | DECT (EU) / DECT 6.0 (US)                 |
| VoIP signalling         | SIP                                       |
| Max. number of handsets | 255                                       |
| Number of cell stations | Max. 128<br>Max. 32 CS per air sync group |
| CS synchronisation      | 'Over the Air' synchronisation            |
| Handover                | Yes – seamless within air sync group      |
| Roaming                 | Yes                                       |



### KX-UDS124

- 4-channel high-quality voice cell station
- Supports 4 simultaneous HD voice calls
- Air synchronisation
- G.722, G.711, G.729a, G.726 codec support
- 10base-T / 100base-TX hands-free TX ethernet port
- VLAN support
- DECT encryption
- Seamless handover and roaming between cells



### KX-UDT111 – standard office DECT handset

- 1.8" colour LCD display
- Vibration call alert
- Ni-MH battery pack
- 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

- 1.8" colour LCD display
- Vibration call alert
- Li-ion battery pack
- 200 hours standby, approx. 13 hours talk time
- 500 number phonebook
- "Over the air" maintenance
- Headset support via 2.5mm jack
- Built-in Bluetooth



### KX-UDT131 – IP65 tough DECT handset

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

# Where multi-cell solutions are most valuable

## Large warehouses



In large warehouses, which are often metallic environments, more than one cell station is needed to cover the entire premises. So a multi-cell solution is required. As part of these multi-cell solutions, the KX-UDT131's rugged design and dust protection make it ideal for the tough conditions found in a warehouse.

## Medium-sized and enterprise offices



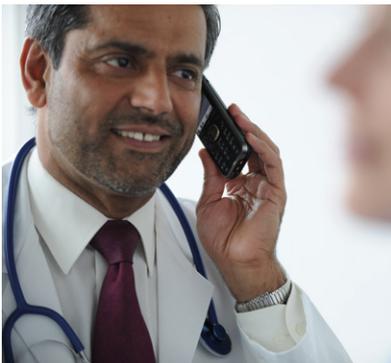
Mobility is critical in these offices, as professionals need to stay connected everywhere if efficiency is to be maximised. A combination of KX-UDT121 handsets and Bluetooth technology provides complete mobility solutions for managers and team leaders.

## Hotels



To deliver the best possible customer service, all staff need to be connected, wherever they are and whenever they're working. Multi-cell solutions from Panasonic give the complete coverage required – including in parking areas and within maintenance departments. For maintenance staff, the rugged KX-UDT131 is perfect. For room service, the KX-UDT111 is suitable due to its price and quality.

## Hospitals



Using the KX-UDT121 and Bluetooth technology, doctors and medical staff benefit from the complete mobile connectivity they need. Equally, maintenance staff can rely on the rugged reliability of the KX-UDT131.



Ready to learn more about Panasonic's  
IP phone systems?

Talk to us today for a full guide to their  
many features and benefits.

**Call** +44 (0)207 0226 530

**Email** [professional.support@eu.panasonic.com](mailto:professional.support@eu.panasonic.com)

**Visit** [business.panasonic.co.uk/communication-solutions](http://business.panasonic.co.uk/communication-solutions)

We reserve the right to make reasonable changes to models, dimensions and colours, as well as to make modifications that bring our products in line with state-of-the-art technology and production.

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