

# CONNECTING PEOPLE



## SIMPLE CONFIGURATION

Phonebook entries for the handsets can be edited using a simple PC interface, with changes and updates sent 'over the air'. With 5 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.

## COMPATIBILITY:

The range is built with a SIP server independent architecture, for wide ranging compatibility. The KX-UDS 124 Cell station is already certified for use with Digium Asterisk, and Broadsoft Broadworks.

Certified for Asterisk



Certified for Broadsoft Broadworks



## Key Benefits

- G.722 Wideband Audio support for excellent voice quality
- Hand-set 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

## RANGE LINE-UP

### 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 Ethernet port
- VLAN support
- DECT Encryption
- Seamless handover and roaming between cells

### KX-UDT121 - Slim and light DECT handset

- 1.8" Colour LCD display
- Vibration call alert
- Li-ion battery pack
- UDT121 200 hours standby, approx. 13hours talk time
- 500 number phonebook
- "Over the air" maintenance
- Built-in Bluetooth
- Headset support via 2.5mm jack

### KX-UDT111 - Standard office DECT handset

- 1.8" Colour LCD display
- Vibration call alert
- Ni-MH battery pack
- UDT111 200 hours standby, approx. 11hours talk time
- 500 number phonebook
- "Over the air" maintenance
- Headset support via 2.5mm jack



## 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
	Max 32 CS per Air sync group
CS synchronisation	'Over the Air' synchronisation
Handover	Yes – Seamless within air-sync group
Roaming	Yes



# PANASONIC SIP BASED DECT TELEPHONY SYSTEM

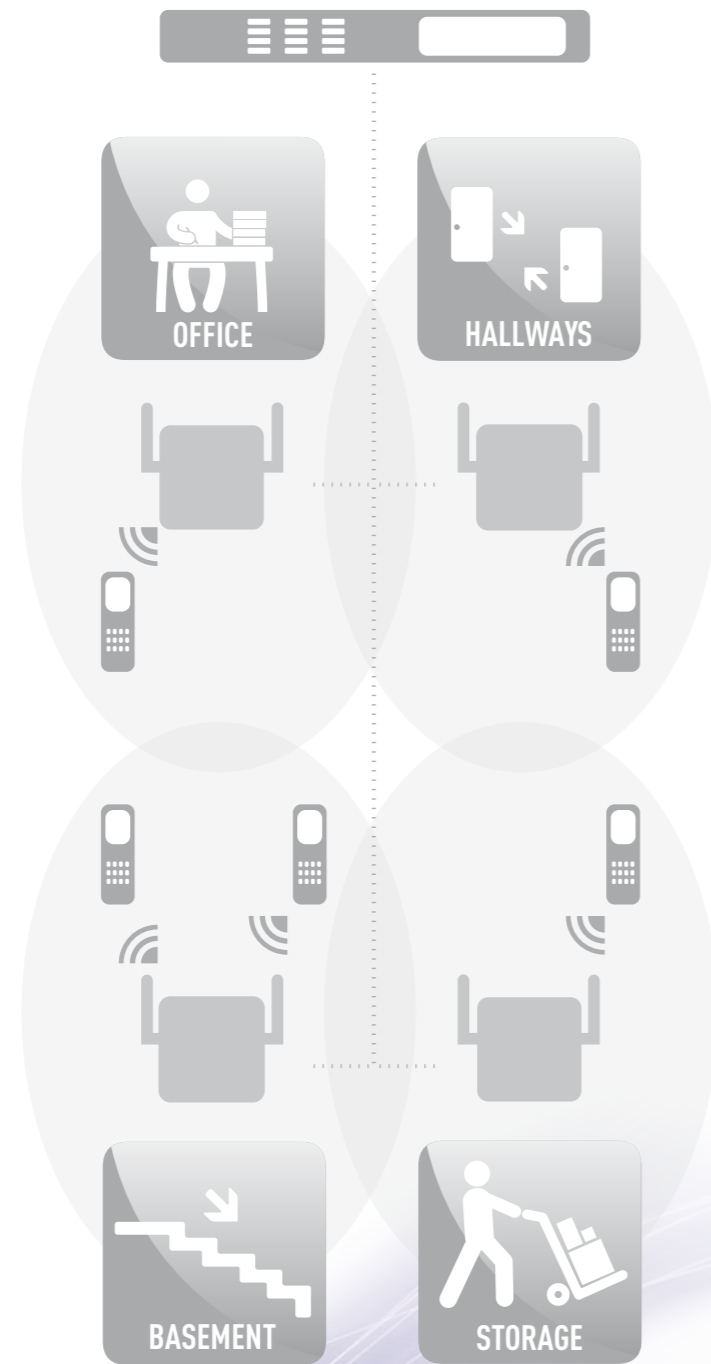
Many organisations have already achieved improved customer satisfaction, cost savings, versatility and other business benefits through the use of SIP based communications systems. Now, Panasonic delivers all these advantages to wireless DECT solutions through the new KX-UDS and KX-UDT SIP Based DECT system. This advanced system aims to provide organisations with a combination of mobility, excellent voice quality and SIP cost savings.

The new Panasonic range features two new fully featured DECT handsets, plus a new 4 channel High-Definition Voice DECT cell station. Both 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. The KX-UDT121 also has built-in Bluetooth support allowing a wireless headset to be used. This range is platform independent and can work with any SIP compliant service, enabling high quality wireless communications in any business. Networks of up to 128 cell stations and 255 handsets can be created.

## VERSATILITY

The KX-UDS124 4 channel Cell Station has been designed with a SIP server independent architecture – no special interface is required to accommodate the DECT system on many industry standard SIP servers. The UDS124 is suitable for use with emerging IP Centrex services, standard PBX installations, and Open Source PBX solutions such as Digium's Asterisk. It also makes the perfect partner for hosted communications solutions such as Broadsoft Broadworks.

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.



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

For up to date information on the Panasonic SIP product range, please visit: <http://panasonic.net/pcc/products/sipphone/>



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PANASONIC SIP DECT MULTI-CELL TELEPHONY SYSTEMS