Panasonic
ideas for life

KX-UDT Series
SIP Multi-Cell DECT Telephones

KX-UDT111   KX-UDT121   KX-UDT131   KX-UDS124

SOLUTIONS FOR BUSINESS

Big-Building Mobility.
SIP Savings & Flexiblity.

To stay ahead of the curve, large corporations, institutions and small to medium-sized businesses must deftly leverage technologies that cut costs while streamlining operations. The rapid evolution towards SIP-based communications is a vivid example. The ability to transmit voice and data over a single unified network simplifies an institution's IT infrastructure, lowering facility costs along with monthly phone bills. SIP-based solutions have also empowered small businesses with flexible and cost-effective networking solutions that until recently were reserved only for their big-business counterparts.

Large companies and other institutions very often reside in big buildings or campus-style complexes where executives can roam the entire premises, hurrying from meeting to meeting. Likewise, small and medium-sized businesses are typically heavy phone users but can't be deskbound and therefore require on an in-building mobility solution. DECT wireless handsets can keep them connected to their communications hub, assuring important calls don't go unanswered. But is there a comparable solution for those companies large and small who've completely migrated to SIP?

Introducing the Panasonic SIP Multi-Cell DECT wireless handsets.

Panasonic is known worldwide as a premier manufacturer of communications solutions, including a broad range of flexible, cost-effective SIP endpoints. The Panasonic SIP Multi-Cell DECT series combines the benefits of DECT—an in-building radio technology that delivers high-quality, encrypted, mobile voice transmission—with the widely-accepted SIP standard, paving the way to secure and affordable in-building mobile communications.
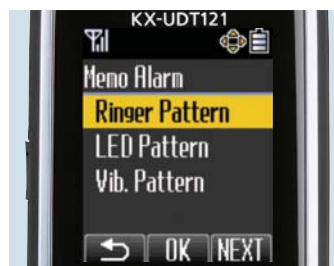
Receiver

Ringer/Charge LED

Headset Connection

Panasonic KX-UDT121

10:45 AM
10/11/2012

1.8" Colour Backlit LCD

3 Soft Keys

Navigation Key

Backlit Keys

Selection Keys

Microphone

KX-UDT121

Ultra-Thin & Light Design
0.7" Thick / 3.1 Oz.

Panasonic KX-UDT131

KX-UDT121

KX-UDT131

Concave face protects keys and
prevents accidental dialing.

KX-UDT111

Versatile Wireless Communications

Ergonomically Designed

The KX-UDT111 is a standard size wireless phone ideal for the general office and any environment requiring en-hanced mobility. The slim and light, pocket-sized KX-UDT121 model is perfect for most verticals including retail, hospitality and healthcare facilities where roaming is frequent. A concave shape prevents accidental dialing and protects keys when the handset is in a pocket and keys are rippled for easy access.

The KX-UDT131 is the perfect phone for harsh work environments. With its IP65 compliance (dust and water splash resistant) it is ideal for manufacturing, warehouse or factory applications.

Incoming Log
OK

KX-UDT121
Memo Alarm
Ringer Pattern
LED Pattern
Vib. Pattern
OK NEXT

Large, Colour Display

The KX-UDT Series features a large, 1.8-inch colour thin film transistor (TFT) display with 65,000 colours. The backlit display has easy-to-see icons for optimal viewing.

High-quality Voice

Wideband voice technology delivers clear and natural voice. The G.722 wideband audio codec enables high-quality audio by capturing a broader range of audio frequencies, a more complete representation of the audio signal than traditional narrowband.

Hands-free Convenience

Full-duplex, hands-free convenience and a built-in headset jack make communication even easier. The KX-UDT121 slim and light model even has built-in Bluetooth connectivity for hands-free calling.

Engineered to Perform

All models support 200 hours of standby time and extensive talk time. The KX-UDT121 and KX-UDT131 provides 13 hours (narrowband) or 10 hours (wideband) talk time, plus a quick charge time of just 3 hours. The KX-UDT111 provides 11 hours (narrowband) or 9 hours (wideband) talk time.

Noise Reduction

Panasonic leads the industry for noise reduction technology that smooths communication in a loud environment. The KX-UDT Series employs technology that estimates and subtracts the noise component from the input signal to deliver best-in-class voice quality.

Incoming signal automatically adjusts according to ambient noise level for maximum clarity.

KX-UDT111
Standard Model

KX-UDT121
Slim, Compact Model

KX-UDT131
Rugged Model

Features that keep business moving

- DECT 6.0 Technology
- 1.8-inch, 65,000-colour TFT Display
- Wideband Voice (G.722)
- Built-in Bluetooth (KX-UDT121)
- Headset Jack (2.5mm plug)
- Vibrate Mode
- 500-Entry Personal Phonebook
- Full-Duplex Speakerphone
- Adjustable Ringtones
- Maximum Register Handsets: 255
- Maximum Cell Stations per System: 128 (32 per Air Sync Group)
- IP65 Compliance (UDT131 only)

Smart Connections for Large Facilities

Big properties can present big communications challenges. Workers can't afford to lose touch with colleagues or customers whenever they walk to another part of the facility. Panasonic SIP Multi-Cell DECT keeps everyone connected because it lets you take the functionality of your desk phone anywhere on the premises. Need to track down the maintenance man? Reach him instantly whether he's in the machine shop or on the roof. Need urgent help with a computer? Connect with IT staff, no matter where they might be on the premises. Never miss an important customer call because you had to walk over the warehouse.

The SIP Multi-Cell DECT series is an ideal solution for workers at large facilities with staff that can't be tied down to a desk. Unlike cumbersome walkie-talkie systems or cell phones, Panasonic SIP Multi-Cell DECT keeps you connected to your company's communications hub with a cost-effective wireless solution that's secure, reliable and interference free.

SIP Multi-Cell DECT is the ideal solution for staff in large facilities who need to move about the premises.

Warehouse Staff	Healthcare Workers	Security Personnel	Maintenance Staff

Mobility Solutions for SMB

Does your business require you to move around the workplace but keep close to the phone? Panasonic SIP Multi-Cell DECT lets you be mobile while still being connected. Retailers can service customers on the floor without missing customer calls. Online merchants can walk to the warehouse and check inventory while keeping the customer on the line. Panasonic SIP Multi-Cell DECT is ideal for restaurants, fitness clubs, law firms, or any business where you need to field incoming calls but can't sit by the phone.

Simple Installation and Maintenance

The Panasonic SIP Multi-Cell DECT solution is engineered for easy configuration and maintenance. Firmware and settings are wirelessly downloaded to the handsets from a PC or server. There's no need to gather them up individually so you save time on installation and any future updates.

Open Source Platform Certification

Like all phones in the Panasonic SIP lineup, the SIP Multi-Cell DECT series is certified for use with BroadSoft® BroadWorks®, Digium® Asterisk® and many others*. They're a proven solution for companies who want to combine a large-complex mobility solution with the cost savings of open-source SIP technology.

*Consult your Panasonic representative for a complete, up-to-date list.

SIP Multi-Cell DECT Series Specifications

MODEL NUMBER		KX-UDT111 Standard	KX-UDT121 Slim, Compact	KX-UDT131 Rugged
SPECIFICATIONS				
LCD Display Size/Type		1.8 inch, 65000 colour TFT	1.8 inch, 65000 colour TFT	1.8 inch, 65000 colour TFT
LCD Display Format		6 lines	6 lines	6 lines
Brightness Setting		6 levels	6 levels	6 levels
Backlight		Y	Y	Y
POWER				
Rechargeable Battery		AAA NiMH, 700mAh, 2 cells	Li-ion, 3.7v 700mAh	Li-ion, 3.7v 700mAh
Battery Life	Talk Time	Approximately 11 hours	Approximately 13 hours	Approximately 13 hours
	Standby	200h	200h	200h
	Charge Time	7 hours	3 hours	3 hours
INDICATORS				
Menu Driven User Interface		Y	Y	Y
Line Status		Y	Y	Y
Message Waiting Indicator		LCD Icon	LCD Icon	LCD Icon
KEYS				
Soft Keys		3	3	3
Talk / Speaker Phone Key		Y	Y	Y
4 Direction 'Nav' Key + Enter		Y	Y	Y
Talk / Speaker Phone Key		Y	Y	Y
Hold / Message Key		Y	Y	Y
VOICE CODECS				
		G.722	G.722	G.722
		G.711 (u-law, a-law)	G.711 (u-law, a-law)	G.711 (u-law, a-law)
		G.729a	G.729a	G.729a
		G.726	G.726	G.726
HANDS-FREE SPEAKERPHONE				
HD Speakerphone		Y	Y	Y
Volume Control		Y	Y	Y
Mute		Y	Y	Y
Full Duplex		Y	Y	Y
OPERATING CONDITIONS				
Temperature		0ºC - 40ºC (32ºF - 104ºF)	0ºC - 40ºC (32ºF - 104ºF)	0ºC - 40ºC (32ºF - 104ºF)
RINGTONE CONTROL				
Vibrate		Y	Y	Y
Ringtone Selection		Y	Y	Y
Ring Volume Level		Y	Y	Y
Ringtone Based on Caller		Y	Y	Y
Ringtone Based on SIP Signalling		Y	Y	Y
PHONE FEATURES				
Multiple Registration Support		4	4	4
Phone Book		500 Entries	500 Entries	500 Entries
Import/Export to TSV		Y	Y	Y
Call Log		Incoming: 20 Entries	Incoming: 20 Entries	Incoming: 20 Entries
		Outgoing: 20 Entries	Outgoing: 20 Entries	Outgoing: 20 Entries
Redial		Y	Y	Y
Do Not Disturb (DND)		Y	Y	Y
Anonymous Call (CLIR)		Y	Y	Y
Anonymous Call Rejection		Y	Y	Y
Calling Party ID		Y	Y	Y
Call Rejection (Manual)		Y	Y	Y
DTMF Dialing During Call		Y	Y	Y
3-Way Conference		Y	Y	Y
Attended Transfer		Y	Y	Y
Blind Transfer		Y	Y	Y
Call Hold		Y	Y	Y
Call Forwarding		Y	Y	Y
Call Waiting		Y	Y	Y
Voicemail Access		Y	Y	Y
Flash Hook		Y	Y	Y
Auto Answer		Y	Y	Y
One-Touch Dial		Y	Y	Y
Key Lock		Y	Y	Y
Automatic Key Lock		Y	Y	Y
Range Alarm		Y	Y	Y
Headset		2.5mm Socket	2.5mm Socket	2.5mm Socket
Bluetooth		N	Y	Y
IP 65 Protection Water/Mechanical impact		N	N	Y

DECT Cell Station Specifications

MODEL NUMBER	KX-UDS124 4-channel wideband Cell Station with Multi-cell capability
Max Simultaneous calls	4 calls
Max handsets	Up to 255
Max no. of Cell Stations	128 total; 32 per air sync group
Network Interfaces	10baseT/100baseTX auto MDI/MDI-X Ethernet LAN port
Power Source	Power over Ethernet (IEEE802.3af) class 1
AC Adapter	(KX-A239) optional
Operating Conditions	0ºC - 40ºC (32ºF - 104ºF)
CONFIGURATION	
Embedded Web Server	Y
Password protected admin access	Y
BUSINESS FEATURES (REQUIRES SIP SERVER SUPPORT)	
Network based conference	Y
Call Forward / DND sync	Y
Connected Line ID presentation	Y
Direct Inward Dialling (DID)	Y
Direct Dialling in (DDI)	Y
NETWORK CONFIGURATION	
DHCP / Static IP address	Y
DNS (Primary / Secondary)	Y
SNTP – Simple network time protocol	Y
TIME & DATE HANDLING	
Clock	Y
Call Timer	Y
Daylight savings time support	Y
QUALITY OF SERVICE	
DSCP	Y
Static VLAN	Y
ToS	Y
VOICE QUALITY	
Adaptive Jitter Buffer	Y
Configurable Packetization Period	Y
FEATURES	
Codec Support	G.722 / G.711 (ulaw, alaw) / G.729a / G.726
Configurable codec preferences	Y
Adjustable Codec frame size	Y
CUSTOMIZABLE TONE GENERATION	
Dial Tone	Y
Ringing Tone	Y
Busy Tone	Y
Reorder Tone	Y
Stutter Tone	Y
MANAGEMENT & PROVISIONING	
Web browser configuration	Y
Status and stats display	Y
Remote firmware upgrade	HTTP, HTTPS, TFTP, FTP
'Over the air' software upgrade	Y
Remote configuration file download	HTTP, HTTPS, TFTP, FTP
Panasonic Redirect Server	Y
Auto provisioning with Panasonic's Redirect Server	Y
TR-069 for remote management	Future Support
Pre-provisioning by DHCP Opt.66	Y
Dial plan	Y
Online CS monitor	Y
SECURITY	
Encrypted configuration files	Y
MD5 authentication	Y
HTTPS Server authentication	Y
DECT encryption	Y

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