Specifications

	KX-UT136	KX-UT133	KX-UT123	KX-UT113
Display				
LCD Display	Monochrome Graphical			
LCD Size	242 x 109 pixels – 6 lines	242 x 55 pixels – 3 lines		
LCD Contrast	6 levels			
LCD Backlight	On/Auto/Off		N/A	
Install Options				
Desk Mount Tilt	Yes – 2 positions		N/A	
Wall Mount	KX-A433 (optional)		KX-A432 (optional)	
Power Adaptor	KX-A239 (optional)			
Audio Features				
Handset, Speaker, Headset Volume	8 levels (includes echo cancellation and distortion prevention)			
Ringtones	32			
Ringer Volume	6 levels + Off			
Headset Port	2.5 mm			
Electronic Hook Switch Control Port	3.5 mm		N/A	
Audio Codec	G.711a-law / G.711µ-law / G.722 (wideband) / G.729a / G.726 (32K)			
Keys				
Programmable Keys	24		N/A	
Software Features				
Phone Book (Entries)	500			100
Call Log Entries	30 incoming calls + 30 outgoing calls			
Conferencing	3 parties (within terminal – multi-party dependent on server)			
XML	From 1Q/2012			
Music on Hold	Supplied by Host Service (PBX / SIP Server)			
IP Features				
SIP Accounts	4		2	
SIP Compatibility	RFC 3261 Standard SIP Server, Asterisk, Broadsoft, Panasonic SIP PBX			
IP Version	IPv4			
DHCP Client	Yes			
DNS	Yes			
HTTP	Yes			
HTTPS	Yes			
SNTP Client	Yes			
VLAN (802.1q)	Yes			
QoS (DiffServ)	Yes			
Configuration				
Plug & Play Configuration	Server based configuration, TR-069, Panasonic Redirect Server			
Manual Configuration	Internal web Configurator, Local (LCD based) network configuration			
Interface				
Ethernet Ports	2		1	
Ethernet Interface	10/100 Mbps			
PoE (Power over Ethernet)	IEEE 802.3af Class 2 standard compliant			
Power Consumption	**PoE** Standby: 1.8 W (ECO mode off), 1.3 W (ECO mode on) Talking: 2 W (ECO mode off), 1.5 W (ECO mode on)	**AC Adaptor** Standby: 1.6 W (ECO mode off), 1 W (ECO mode on) Talking: 2 W (ECO mode off), 1.5 W (ECO mode on)		**Max** 6 W
Operating Environment	0 °C - 40 °C (32 °F - 104 °F)			
Dimensions (Width x Depth x Height: handset on cradle, stand attached)	High position: 267 mm x 170 mm x 180 mm Low position: 267 mm x 187 mm x 155 mm		205 mm x 160 mm x 170 mm	
Weight (with handset, handset cord and stand)	1120 g		870 g	860 g

* Plantronics headsets can be used with these units. Not all headsets are guaranteed to operate.

Trademarks and registered trademarks
– Microsoft and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
Important
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

• The images shown of products' displays and lights are composite images.
• Weights and dimensions are approximate.
• Specifications are subject to change without notice.
• These products may be subject to export control regulations.

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Enhance the Scope of Your IP Voice Communications

A New Range of SIP Phones Has Arrived

Panasonic

http://panasonic.net/pcc/products/sipphone

The evolved KX-UT series SIP phone provides you with clear and comfortable communication.

Audio quality is important with telephones because your intentions must be conveyed using only sound. The KX-UT series of SIP phones were born to meet such needs.

By enabling high audio quality and smooth communication, you can have conversations with distant people as if they were right in front of you.

The KX-UT series provides useful communication with customers in various business scenes such as offices, call centres, small or home offices, and front desks.

Features of the KX-UT Series

Improved communication quality

Wide band voice, which supports the G.722, G.711, and G.729a audio codecs, enables you to hear each other's voice clearly for smooth communication.

Combining with a wide range of devices

Supports IP-PBXs, Asterisk, and Broadsoft. Can be used in combination with a wide range of devices to meet customer needs.

digium
Certified Asterisk Integration Partner

BROADSOFT

User friendly to the last detail

Designed to prioritize user friendliness, with easy-to-press buttons based on ergonomics and a display that focuses on visibility, etc.

Low power consumption

Even in standby mode or in regular usage, the KX-UT series consume less power. By enabling the ECO mode, you can further reduce power consumption.

KX-UT Series Lineup

Middle range model Features flexible buttons for easy operation | HD Voice | Provisioning | Low power consumption

KX-UT136

- 24 flexible buttons included
- 6-line display
- Electronic Hook Switch

KX-UT133

- 24 flexible buttons included
- 3-line display
- Electronic Hook Switch

Entry model Compact and easy to install in small spaces | HD Voice | Provisioning | Low power consumption

KX-UT123

- Simple SIP phone
- LCD backlight
- Compact, suitable for small places

KX-UT113

- Simple SIP phone
- Compact, suitable for small places

KX-UT Series Common Features

The Panasonic KX-UT series SIP phone has received improvement upon improvement in order to meet customers' needs.
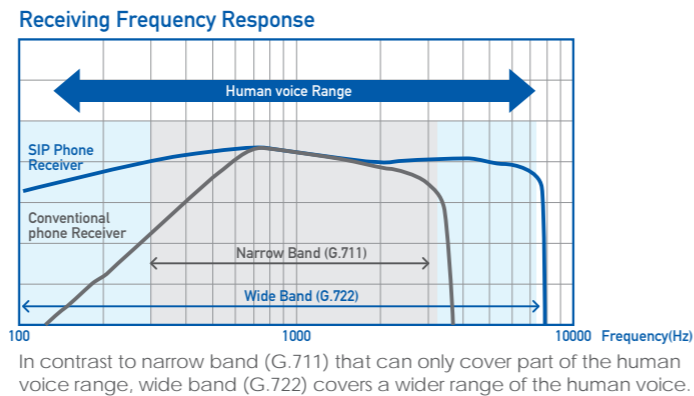
Voice

HD Voice

Conventional phones have a narrow band voice, which is unable to adequately output low and high-pitched sounds. Since the KX-UT series supports the G.722 codec, it can cover a wide range including both low frequency and high frequency bands, enabling more comfortable conversations with a higher audio quality than conventional phones.
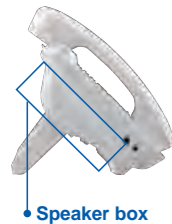
Since the voice of the other party can be clearly heard, you can even catch small nuances, for truly comfortable conversations.

Receiving Frequency Response

Human voice Range

SIP Phone Receiver

Conventional phone Receiver

Narrow Band (G.711)

Wide Band (G.722)

100   1000   10000 Frequency(Hz)

In contrast to narrow band (G.711) that can only cover part of the human voice range, wide band (G.722) covers a wider range of the human voice.

Speaker enhanced characteristics of low frequency and high performance

The KX-UT series utilises a speaker box to provide excellent audio quality. The KX-UT series incorporates a speaker box in each model to improve audio quality at low frequencies (approx. 300 Hz), reduce echoing, and reduce sound distortion due to the speaker. The utilisation of a unique speaker cone and a magnet more powerful than its predecessors also achieves improved audio frequency band sensitivity.

Unique speaker cone

• **Speaker box**

• **Stronger magnet**

Interface

■ **Wider label sheet** (KX-UT136/133)
Wider space for higher visibility

← 23.5mm →

■ **White backlight LCD** (KX-UT136/133/123)

KX-UT136

■ **Ergonomic recessed buttons** (KX-UT136/133/123/113)
Buttons that fit the curves of human fingers have been developed in cooperative research with a university.

■ **Compact design** (KX-UT136/133/123/113)
Reduced depth of more than 20 mm compared to predecessors to take up less desk space.

■ **Changeable 30 / 45 degree stand** (KX-UT136/133)
The angle of the display can be changed according to your needs. Can be tilted at either 30 degrees or 45 degrees.
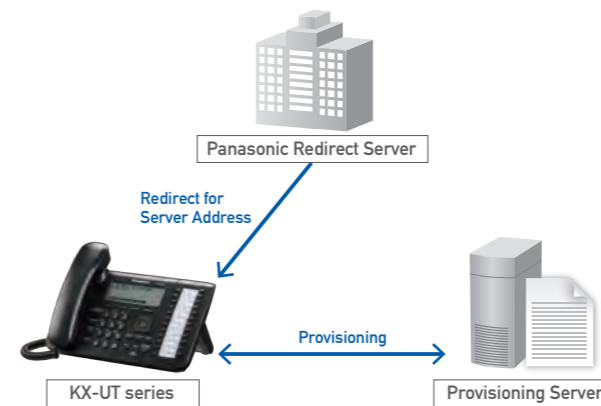

Easy Configuration

Provisioning

Provisioning provides a system for specifying the initial settings before using a phone without fuss. This enables phones to be set up without travelling to customers in remote locations. It is also efficient because the settings for many devices can be specified quickly.

Easy Initial Settings

When the customer connects a phone to the network, initial settings are automatically downloaded from the Panasonic Redirect Server. The phone is also redirected to a provisioning server by the Panasonic Redirect Server.
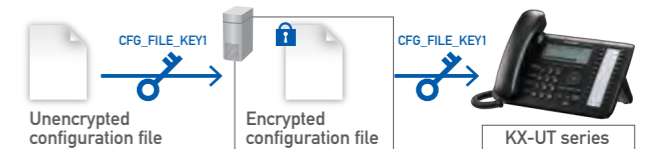
Panasonic Redirect Server

Redirect for
Server Address

Provisioning

KX-UT series

Provisioning Server

Broadsoft DMS Supported

Broadsoft DMS (Broadsoft Device Management System) is supported.

BROADSOFT Innovation calling.

Secure Provisioning Route

Configuration files are sent from the server after being encrypted, so that they cannot be easily viewed.

CFG_FILE_KEY1   CFG_FILE_KEY1

Unencrypted configuration file

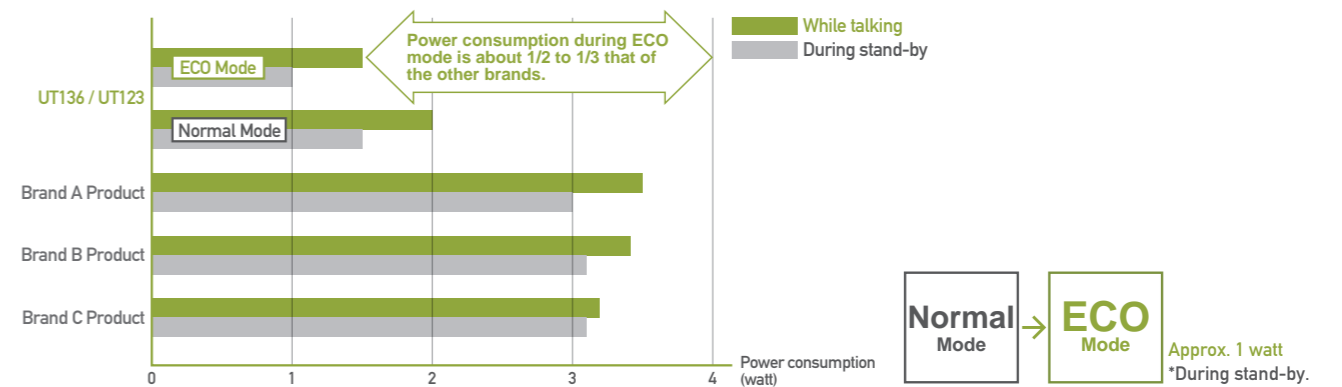Encrypted configuration file

KX-UT series

HTTPS is also used for connections between devices and the server so that the data cannot be easily viewed.

* HTTPS Provisioning with Root Certification (Client Authentication will be ready in 2012).

ECO

Low Power Consumption

The KX-UT Series saves energy even during standby mode and while calling. By using ECO mode, power consumption can be reduced even further.

While talking

During stand-by

UT136 / UT123

ECO Mode

Power consumption during ECO mode is about 1/2 to 1/3 that of the other brands.

Normal Mode

Brand A Product

Brand B Product

Brand C Product

Power consumption (watt)

0   1   2   3   4

| Normal Mode | → | ECO Mode |

Approx. 1 watt
*During stand-by.

* Input voltage when using an AC adaptor: 220V/50Hz or 120V/60Hz, connection only with the LAN port, value when using 100BASE-T. (However, only 10BASE-T is active when using UT ECO mode.)
* When using ECO mode, the PC port cannot be used. Also, the LAN port will be 10 Mbps.

KX-UT136 / 133

Photo: KX-UT136

KX-UT136 / 133 Features

24 function keys

Includes 24 flexible function keys for registering numbers. The one-touch presence function enables you to tell if someone is at their desk at a glance.

Easy operation

Includes a large LCD for high visibility. Easy operations with a user friendly button layout.

Electronic Hook Switch

Wireless communication is possible by connecting an Electronic Hook Switch (EHS) headset to the EHS jack on the side of the main unit.*

*An EHS headset is not included.

☐ Compatible with Asterisk and Broadsoft
☐ High quality wideband voice (handset and speaker phone)
☐ Low power consumption
☐ Supports XML customisation * From 1Q/2012
☐ PoE (Power over Ethernet)

Difference between KX-UT136 and KX-UT133

Items	KX-UT136	KX-UT133
LCD	6-Line LCD	3-Line LCD

KX-UT123 / 113

Photo: KX-UT123

Compatible with Asterisk and Broadsoft

Supports Asterisk and Broadsoft for connecting to a wide range of devices. The devices to connect to can be selected to meet customer needs.

HD voice (handset and speaker phone)

Supports the G.722 codec. Enables calls with a HD voice quality that makes it seem like you are face-to-face with the other party.

Low power consumption*

Since the device automatically switches to the power saving mode when not in use, no manual operation is required. This contributes to reduced power consumption. * The ECO mode can be switched on and off.

XML customisation support*

The information displayed on the LCD screen can be customised. Enables the devices to be used as an information terminal in addition to a telephone. * From 1Q/2012

PoE (Power over Ethernet)

Supports PoE. If you have a power supply hub, no AC adapter is required.

Difference between KX-UT123 and KX-UT113

Items	KX-UT123	KX-UT113
Backlit LCD	Yes	No
Phone book	500	100
Ethernet port	2	1