DECT handset I755

Robust handset for voice and messaging in demanding environments

The DECT handset I755 is designed for use in potentially demanding environments, such as healthcare, manufacturing, retail and warehousing.

The DECT handset I755 brings mobile communications for professional DECT users to the highest level:

- Anytime, anyplace contact, thus improving customer satisfaction
- An excellent communication device with text messaging and alarm information, from applications such as alarming and nurse call systems
- Provides valuable information to the user, including central directory access, personal phone book and calendar entries
- Provides personal security for the user, with a dedicated SOS-alarm key and man-down function (detection of non-vertical position)
- An appealing, robust design and intuitive user interface
- Colour display and icon based menu for ease of use
- Dust and (splashing) water proof (IP54 classification)
- Keypad with easy to use distinctive keys

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- Provides freedom, comfort and flexibility to the user with options such as wired or Bluetooth headset and built-in trembler
- Gives user full control over their accessibility
- Provides many different call control features seamlessly integrated with the PBX
- Complies with the DECT standards for high speech quality and security

The DECT handset I755 satisfies the most advanced require-ments for voice and message communications in all business environments. The I755 provides mobility, flexibility and accessibility, without compromising on comfort and ease of use.

The DECT handset I755 provides additional protection to users with the man-down function and SOS alarm key.

I755 DECT handset features

Features DECT Handset I755 [1]		
Call handling features	• Automatic call answer	• Call reject option
	• Caller log	• Caller filter
	• CLI (name and number support)	• Crystal clear speech and seamless handover
	• Last number redial	• On-hook number preparation
	• Recall/hold (enquiry)	• Silent Charging
	• Standby time up to 120 hours	• Talk time up to 10 hours
Design	• Light and ergonomic design	• Dust and (splashing) water proof: IP54
	• Inductive charging	• Triple colour LED indication for e.g. missed call and MWI
	• Robust design for use in professional and industrial environments	
Directory	• Corporate directory	• Personal phone book with multiple numbers per contact
Display	• Colour graphic TFT display, 160 x 128 pixels (262k)	• Date & time indication: synchronized with PBX clock
	• Illuminated display: on incoming calls and messages	• Power saving mode: display dim lit or completely off
Headset	• Bluetooth headset support (with additional Bluetooth module)	• Wired headset support
Keys	• Function and keypad keys: 24 keys with 12 keypad keys (0..9, *, #) with text mode support	• On- and off-hook: 2 separate keys
	• Recall (enquiry) key combined with on-hook key	• Power on/off key combined with off-hook key
	• Menu navigation keys: up, down, left and right	• Soft keys: 2, menu dependent function
	• Distinctive SOS alarm key	• Increase and decrease volume
Localization	• Supported languages: 14	• Multiple (RF) power levels
	• Triple frequency band	
Memory card (optional)	• Storage of configuration and subscription data, personal phone book and caller filter.	• Easy subscription to another handset by transferring the memory card
	• Blocking of changes to the configuration settings	• Easy (pre-)installation by programming the memory card
Menu	• Easy menu programming	
Messaging	• Messaging (LRMS) support	• Message broadcast support
	• Message waiting (voicemail)	• Set-up of voice call to call back number in message
	• Support of different urgencies/priorities: Normal, urgent and emergency	
Mobility	• Multiple subscription on DECT systems: 8 [2]	• Antenna diversity
Other features	• Key lock: automatic and manual	• Reject or silence incoming call
	• Accessory features: Calculator, stopwatch and alarm clock	• RFID tag
	• Man down detection: Detection of non-vertical position leads to dialling a programmed destination	
Sound/Audio	• Adjustable ringer volume	• Adjustable earpiece/loudspeaker volume
	• Loudspeaker mode (hands free)	• Microphone mute
	• Trembler	• Silent ring support
Security	• Automatic encryption for secure calls	
Service/Maintenance	• Software upgrade via the air interface [3]	• Backup of local data via memory card
User data	• Internal memory for storage of configuration date, personal phone book, messages, caller log, caller filter and calendar entries	
	• Optional memory card	
User interface	• Icon driven menu	• Status line indicators in the display
	• Configurable tricolour LED indicator, e.g., for missed call and message waiting	• Distinctive melodies for external and internal calls, messages and priorities and per contact in the local phone book
	• Ringer tones/melodies: 20	• Audible indicators are user selectable
	• Selectable display background	

1) Features depend on the capabilities of the PBX and the DECT system used.
2) Without memory card: 4 subscriptions.
   With memory card: first 4 subscriptions are stored on the memory card, next subscriptions are stored in the internal memory.
   The subscriptions stored on the memory card can be moved over to another handset.
3) Needs to be supported by the DECT system.

I755 DECT handset technical data

Memory

Storage capacity for:
- 200 personal phone book entries
- 80 message entries
- 50 caller list entries
- 10 caller filter entries
- 100 calendar entries

The capacity of the internal memory is based on shared memory, where the amount of entries on one item may affect the capacity on other items. The memory card however is based on absolute capacity for each item.

Physical characteristics

Dimensions	
Handset:	127x46x22 mm
Charger:	93x80x70 mm
Charger Rack:	545x108x85 mm
Weight	
Handset:	120 g
Charger:	137 g
AC Adapter:	94 g
Charger Rack:	1600 g
AC Adapter Charger Rack:	339 g
Protection	
Handset:	IP54
Range	
Indoor:	50 m max [4]
Outdoor:	300 m max [4]
Power Supply	
Handset:	3.7V, 650mAh Lithium-ion battery
Charger:	Powered via AC/DC adapter
Input:	100-240VAC/50/60Hz/250mA
Output:	12VDC/400mA
Mains plug:	Euro, UK, North America or Australia [5]
Charger rack:	Powered via AC/DC adapter
Input:	100-240VAC/50/60Hz/500mA
Output:	12 VDC/2500 mA
Mains plug:	Euro, UK, North America or Australia [5]
Colour and Finishing	
I755s:	
Handset:	Light grey with dark grey protective rim
Desktop Charger:	Light grey (front) and dark grey (back)
I755d:	
Handset:	Dark grey with orange protective rim
Desktop Charger:	Dark grey (front) and orange (back)
Charger rack:	Dark and light grey

4) The radio coverage of DECT handsets depend on the environment and presence of obstacles.
5) The mains plug contains a changeable part for the different power plugs

Audible indicators

The following selectable audible indicators are available:
- Key click
- Coverage warning
- Charger warning
- Battery low alarm
- Confirmation tone

Status line indicators

Status line indicators in the display are:
- Battery condition
- Caller filter active
- Field strength
- Key lock active
- Loudspeaker active
- Message waiting
- Microphone mute
- Missed call
- Ringer off

LED indicators

Three of the following user selectable indicators can be assigned to the tricolour indicator LED:
- Battery low
- Man down
- Misses call
- Text message
- Text or voice message
- Voice message

Supported Menu languages

The handset supports 14 selectable languages:
Danish, Dutch, English, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish

The DECT handset I755 comes in two colour schemes:
- I755d – dark grey with orange accents
- I755s – light grey with dark grey/black accents

I755 handset package content

I755 Package contents

- I755s or I755d handset with belt clip
- Lithium-ion battery pack
- Belt clip cover

I755 handset accessories

I755 handset accessories

- Swivel belt clip attachment and swivel belt clip
- Belt clip
- Horizontal pouch (fixed belt-clip, handset needs to be removed when used)
- Vertical pouch (swivel belt-clip, handset can be used while in pouch)
- Memory card
- Battery pack
- Desktop Charger with adapter
- Charger rack (6 handsets) with AC Adapter
- Bluetooth module
- Bluetooth headset
- Wired headset

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Environmental conditions

	Temperature Range	Relative Humidity
Operating:	0°C to +40°C	10 to 95%
Transport:	−25°C to +70°C	10 to 100%
Storage:	−5°C to +45°C	10 to 95%

Compliance

Compliance handset I755

The I755 handset carries a CE mark (European directive 93/68/EEC)

EMC:	EN301 489-1, EN301 489-6
EMF:	EN50360
DECT:	EN301 406, EN300 175 EN 300 444
Safety:	EN 60950-1

Compliance Bluetooth module

When equipped with an optional Bluetooth module, the I755 is in conformance with:

EMC:	EN301 489-1, EN301 489-17
EMF:	EN50371
RF:	EN300-328

Directives and regulations

Directives and regulations Europe

R&TTE directive 1999/5/EC
EMC directive 2004/108/EC
LVD directive 2006/95/EC
ROHS directive 2002/95/EC and WEEE directive 2002/96/EC
ERP directive 2009/125/EC

Directives and regulations North America

FCC part 15C, 15D
RSS 210, RSS 213
HAC/VC

Transmission

Transmission and frequency

Average Radio RF power:	10mW
Frequency band EMEA:	1880 - 1900 MHz
Frequency band China:	1900 - 1920 MHz
Frequency band: [6] • Latin America • North America	 1910 - 1930 MHz 1920 - 1930 MHz

6) The I755 handset has a triple frequency band and can be used in the EMEA, American and Chinese DECT frequency band. The transmitted Radio RF power is according to local regulations.

The charger rack is suitable for table-top usage or wall mounting.

UNIVERGE®360 is NEC's approach to unifying business communications. It places people at the center of communications and delivers on an organization's needs by uniting infrastructure, communications and business.

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