

Data Sheet

I755 Handset

Robust voice and messaging handset for demanding environments



At a glance

- High-end mobile voice communications and messaging
- Care free use in demanding environments
- Improved personal security
- Flexibility, comfort and mobility
- High quality speech and security
- Additional freedom with Bluetooth headset
- Reduced communication and maintenance costs
- 24/7 usage (with spare battery)



The DECT handset I755 is designed for use in potentially demanding environments, such as healthcare, manufacturing, retail and warehousing. It brings mobile communication for professional DECT users to the highest level.

The I755 provides mobility, flexibility and accessibility, without compromising on comfort and ease of use.

- 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
- Headset compatible including wireless Bluetooth for hands free working
- Provides many different call control features seamlessly integrated with the PBX
- Complies with the DECT standards for high speech quality and security

Key features

- Dust and drip water proof (IP54 classification)
- Calling Name / Number, Call Logging
- Internal Directory: 200
- SOS Alarm Key
- Location Detection
- Man-down alarm
- Messaging (LMRS)
- Broadcast Messaging

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Handset features¹⁾

Colour schemes	<p>Choice of:</p> <ul style="list-style-type: none"> • I755s – light grey with dark grey / black accents • I755d – dark grey with orange accents
Call handling features	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Light and ergonomic design • Dust and drip 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
Corporate directory	<ul style="list-style-type: none"> • Personal phone book with multiple numbers per contact
Display	<ul style="list-style-type: none"> • Colour graphic TFT display, 160 x 128 pixels (262k) • Date & time indication: synchronised with PBX clock • Illuminated display: on incoming calls and messages • Power saving mode: display dim lit or completely off
Headset	<ul style="list-style-type: none"> • Bluetooth headset support (with additional Bluetooth module) • Wired headset support
Messaging	<ul style="list-style-type: none"> • 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

Keys	<ul style="list-style-type: none"> • 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
Localisation	<ul style="list-style-type: none"> • Supported languages: 14 • Multiple (RF) power levels • Triple frequency band
Memory card (optional)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Easy menu programming
Mobility	<ul style="list-style-type: none"> • Multiple subscription on DECT systems: 8 ²⁾ • Antenna diversity
Other features	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Automatic encryption for secure calls
Security	<ul style="list-style-type: none"> • Automatic encryption for secure calls
Service / Maintenance	<ul style="list-style-type: none"> • Software upgrade via the air interface ³⁾ • Backup of local data via memory card

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User data	<ul style="list-style-type: none"> • Internal memory for storage of configuration data, personal phone book, messages, caller log, caller filter and calendar entries • Optional memory card
User interface	<ul style="list-style-type: none"> • 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 <p>1) Features depend on the capabilities of the PBX and the DECT system used.</p> <p>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.</p> <p>3) Needs to be supported by the DECT system.</p>

Power Supply	<ul style="list-style-type: none"> • 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)
Colour and Finishing	<p>I755s:</p> <ul style="list-style-type: none"> • Handset: Light grey with dark grey protective rim • Desktop Charger: Light grey (front) and dark grey (back) <p>I755d:</p> <ul style="list-style-type: none"> • Handset: Dark grey with orange protective rim • Desktop Charger: Dark grey (front) and orange (back) • Charger rack: Dark and light grey <p>4) The radio coverage of DECT handsets depend on the environment and presence of obstacles.</p> <p>5) The mains plug contains a changeable part for the different power plugs</p>

Technical Data

Memory	<p>Storage capacity for:</p> <ul style="list-style-type: none"> • 200 personal phone book entries • 80 message entries • 50 caller list entries • 10 caller filter entries • 100 calendar entries <p>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.</p>
Dimensions	<ul style="list-style-type: none"> • Handset: 127 x 46 x 22 mm • Charger: 93 x 80 x 70 mm • Charger Rack: 545 x 108 x 85 mm
Weight	<ul style="list-style-type: none"> • Handset: 120 g • Charger: 137 g • AC Adapter: 94 g • Charger Rack: 1600 g • AC Adapter Charger Rack: 339 g
Protection	<ul style="list-style-type: none"> • Handset: IP54
Range	<ul style="list-style-type: none"> • Indoor: 50 m max 4) • Outdoor: 300 m max 4)

Audible indicators	<p>The following selectable audible indicators are available:</p> <ul style="list-style-type: none"> • Key click • Coverage warning • Charger warning • Battery low alarm • Confirmation tone
Status line indicators	<p>Status line indicators in the display are:</p> <ul style="list-style-type: none"> • Battery condition • Caller filter active • Field strength • Key lock active • Loudspeaker active • Message waiting • Microphone mute • Missed call • Ringer off

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Technical Data cont.

LED indicators	<p>Three of the following user selectable indicators can be assigned to the tricolour indicator LED:</p> <ul style="list-style-type: none"> • Battery low • Man down • Misses call • Text message • Text or voice message • Voice message
Supported Menu languages	<ul style="list-style-type: none"> • The handset supports 14 selectable languages: Danish, Dutch, English, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Package contents	<ul style="list-style-type: none"> • I755s or I755d handset with belt clip • Lithium-ion battery pack • Belt clip cover
Handset accessories	<ul style="list-style-type: none"> • 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 <p>Bluetooth is a registered trademark of Bluetooth SIG, Inc.</p>
Environmental conditions	<ul style="list-style-type: none"> • Temperature Range <ul style="list-style-type: none"> - Operating: 0°C to +40°C - Transport: -25°C to +70°C - Storage: -5°C to +45°C • Relative Humidity <ul style="list-style-type: none"> - Operating: 10 to 95% - Transport: 10 to 100% - Storage: 10 to 95%

Compliance	<p>The I755 handset carries a CE mark (European directive 93/68/EEC)</p> <ul style="list-style-type: none"> • EMC: EN301 489-1, EN301 489-6 • EMF: EN50360 • DECT: EN301 406, EN300 175 EN 300 444 • Safety: EN 60950-1 <p>When equipped with an optional Bluetooth module, the I755 is in conformance with:</p> <ul style="list-style-type: none"> • EMC: EN301 489-1, EN301 489-17 • EMF: EN50371 • RF: EN300-328
Directives & regulations Europe	<ul style="list-style-type: none"> • Directives and regulations Europe <ul style="list-style-type: none"> - 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 • Directives and regulations North America <ul style="list-style-type: none"> - FCC part 15C, 15D - RSS 210, RSS213 - HAC/VC
Transmission and frequency	<ul style="list-style-type: none"> • Transmitted Radio RF power: Less than 250 mW ⁶⁾ • Average Radio RF power: 10mW • Frequency band EMEA: 1880 - 1900 MHz • Frequency band China: 1900 - 1920 MHz • Frequency band: ⁷⁾ <ul style="list-style-type: none"> - Latin America - 1910 - 1930 MHz - North America - 1920 - 1930 MHz <p>⁶⁾ The I755 handset supports 4 power levels: less than 250 mW, less than 100 mW, less than 50 mW and less than 25 mW. Selection of the appropriate power level is dependent on the power level indication given by the DECT system.</p> <p>⁷⁾ The I755 handset has a triple frequency band and can be used in the EMEA, American and Chinese DECT frequency band. The North American frequency band has a lower RF power transmission of less than 120 mW.</p>

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