

Data Sheet

M155 Messenger

The ultimate messaging device for healthcare and hospitality



The M155 Messenger is a sophisticated wireless messaging device for use in professional healthcare and hospitality environments.

The small watch-like device is easy to wear and provides the mobile user the optimum in mobility, accessibility, flexibility and comfort. Besides a messaging device, the M155 also offers the mobile user speakerphone communication and acts as a personal alarm device.

Applications

Integrated with applications common in healthcare and hospitality, the M155 Messenger meets the needs of message communications in environments where conveying messages to the mobile user is of utmost importance.

- Provides an excellent communications device for organisations that rely on messaging or alarm information sent to employees, such as in hospitals and hotel environments
- Three-line display
- Easy to carry (on wrist or as necklace)
- Easy to use
- Gives users full control over their accessibility
- Provides various call control options and integrates seamlessly with the PBX and (messaging) applications

At a glance

- Appealing design, easy to use
- Increased accessibility
- Flexibility, comfort and mobility
- Messaging and voice communications in one
- Personal alarm function
- Reduced communication and maintenance costs
- A simple, small and secure solution

Necklace wearing option
- ideal for hospitals



Charger



- Complies with DECT standards for high quality speech and security (DECT authentication)
- Is easy to service and maintain
- Calling Name / Number
- Internal Directory: 5
- SOS Alarm Key
- Location Detection
- Messaging (LMRS)
- Hands-free

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Features

Call handling	<ul style="list-style-type: none"> • Calls to pre-configured destinations only • CLI (number and name): when presented by the system • Immediate emergency (SOS) call set up • Talk time: 8 hours • Standby time: 80 hours
Design	<ul style="list-style-type: none"> • Light, small ergonomic design: optimised for comfort and ease of use as a messaging device, styled for professional environments
Directory	<ul style="list-style-type: none"> • 3 line display for 42 characters • Illuminated display: On incoming calls and message • Date/time indication: Based upon PBX clock
Keys	<ul style="list-style-type: none"> • Operated by two keys only
Localisation	<ul style="list-style-type: none"> • Multiple supported languages: 5 • Dual frequency band
Menu	<ul style="list-style-type: none"> • Easy menu (for limited settings only)
Messaging	<ul style="list-style-type: none"> • Messaging (LRMS) support • Message broadcast support (receiving) • Use of predefined set of messages (normal priority only): 5 • Support of different priorities for incoming messages: Normal, urgent and emergency
Mobility/ other	<ul style="list-style-type: none"> • Single subscription to DECT system

Sound/Audio	<ul style="list-style-type: none"> • Adjustable ringer melody: 12 • Coverage warning • Loudspeaker mode/hands free mode only • Silent mode
Security	<ul style="list-style-type: none"> • Automatic encryption for secure calls
Service / maintenance	<ul style="list-style-type: none"> • Software upgrading via air interface 1) • Configurable by easy to use Configurator application
User interface	<ul style="list-style-type: none"> • Distinctive melodies for messages and priorities • Status line indicators in the display <p>1) The DECT system to which the M155 Messenger is subscribed, should be able to support "software downloading over the air". Note that the M155 Messenger cannot be upgraded by any other means.</p>



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Technical Data

Memory Storage capacity for:	<ul style="list-style-type: none"> • 1 emergency entry (number and optionally a message) • 5 additional phonebook entries • 5 predefined (reply) messages
Dimensions	<p>Messenger: 55 x 43 x 17 mm</p> <p>Charger: 95 x 58 x 20 mm</p>
Weight	<p>Messenger: 36g</p> <p>Charger & AC Adapter: 244g</p>
Protection	Messenger: IP20
Range	<p>Indoor: 50m max ²⁾</p> <p>Outdoor: 300m max ²⁾</p>
Power Supply	<p>Messenger: 3.7V, 400mAh Li-Polymer battery (non-replaceable).</p> <p>Charger: Powered via attached AC/DC adapter</p> <p>Input: 100-240VAC/50/60Hz/150mA</p> <p>Output: 5VDC/350mA</p> <p>Mains plug: ³⁾ Euro, UK, North America or Australia</p>
Colour and Finishing	<p>Messenger:</p> <ul style="list-style-type: none"> • Keys and rim around display: silver, non-gloss • Body: black, non-gloss <p>Desktop Charger and AC Adapter:</p> <ul style="list-style-type: none"> • Desktop Charger: White, non-gloss • AC Adapter: Black, non-gloss <p>²⁾ The range of the M155 Messenger depends on the environment and presence of obstacles</p> <p>³⁾ The mains plug contains a changeable part for the different power plugs</p>



Audible indicators	<ul style="list-style-type: none"> • Charger warning
Status line indicators	<ul style="list-style-type: none"> • Battery condition • Field strength • New message • Phone book • Ringing/Off hook • Silent (Ringer and notification off)
Languages	Supported menu languages are: English, French, German, Italian and Spanish

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Technical Data cont.

Package content	<ul style="list-style-type: none"> • M155 Messenger • Wrist strap • Neck strap • Reference guide (English)
Accessories	<ul style="list-style-type: none"> • Desktop charger and attached adapter
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 M155 Messenger carries a CE mark</p> <p>EMC: EN301-489-1, EN301 489-6</p> <p>EMF: EN50360: 2001</p> <p>DECT: EN301 406, EN300 175 EN 300 444</p> <p>Safety: EN 60950-1</p>
Directives & regulations Europe	<p>R&TTE directive 1999/5/EC</p> <p>EMC directive 2004/108/EC</p> <p>LVD directive 2006/95/EC</p> <p>ROHS directive 2002/95/EC and WEEE directive 2002/96/EC</p>

Directives & regulations North America	<p>FCC part 15: 2007</p> <p>RSS 213</p> <p>UL60950-1, CSA-22.2</p> <p>ICES-003: 2004</p>
Transmission & frequency	<p>Transmitted Radio RF power: Less than 250 mW ⁴⁾</p> <p>Average Radio RF power: 10 mW</p> <p>Frequency band EMEA ⁵⁾: 1880 - 1900 MHz</p> <p>Frequency band Latin America ⁵⁾: 1910 - 1930 MHz</p> <p>Frequency band North America ⁵⁾: 1920 - 1930 MHz</p> <p><small>4) When used in the North American frequency band, the M155 Messenger uses a lower RF power transmission (less than 120 mW).</small></p> <p><small>5) The frequency band is automatically selected by the M155 Messenger based on the frequency band used by the DECT system.</small></p>

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LIT-SV003-0409

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