

DECT M166 Communicator

Personal alarming and communication pendant for care and cure



The M166 Communicator is an alarming and communication device, ideally suited to provide personal safety to staff, patients and elderly people, such as in care and cure institutions and assisted living.

Main Product Features

- > The M166 provides freedom and comfort to move around
- > Pressing the alarm button to immediately alert relevant staff
- > Instant speech connection with the patient for trust and comfort
- > Very easy to use: can be worn with a lanyard or a clip
- > Two charger models: a desktop and a wall model
- > DECT compliance for high-quality speech and security
- > High-definition audio in line with CAT-iq

At a Glance

- > High-quality handsfree speech
- > Two alarm buttons (front and top) for alarm activation or speed-dial
- > Vibrator and loudspeaker alert
- > Status LEDs
- > Lanyard and belt clip
- > Desk- and wall chargers
- > Headset and pull cord connector
- > RTLS (Real-time Location System) via DECT signal strength or beacons (M166CL)
- > IP65 dust and water protection
- > For NEC DECT and IP DECT



Features M166

| | | |
|------------------------------------|----------------------------------------------------|------------------------------------------|
| Call handling ¹⁾ | Automatic call answer | Standby time up to 72 hours |
| | Talk time up to 3 hours | |
| Design | Robust design for use in professional environments | Dust and water resistance: IP65 |
| Headset | Wired headset support (2.5 mm) | |
| Keys | Alarm 1 button with blue LEDs | Alarm 2 button (on top) |
| | On/Off button with blue LED | |
| Localization | Multiple (RF) power levels | |
| Sound/Audio | Handsfree operation | Trembler |
| Security | Automatic encryption for secure calls | |
| Service/Maintenance | Software upgrading via air interface ²⁾ | Software upgrading via headset interface |
| User interface | Ringer tones/melodies: 7 | |

1) Features depend on the capabilities of the PBX and the DECT system used

2) Needs to be supported by the DECT system

Physical Characteristics

| | |
|----------------------------------|------------------------------------------------------------------|
| Dimensions | Handset: 63.5 x 53 x 20 mm |
| | Charger: 71 x 69 x 40 mm |
| Weight | Handset: 50 g |
| | Charger: 120 g |
| | AC Adapter: 90 g |
| Protection | Handset: IP65 |
| Range | Indoor: 50 m max ³⁾ |
| | Outdoor: 300 m max ³⁾ |
| Power Supply | Handset: 3.7V, 400mAh Lithium-ion battery |
| | Charger: Powered via AC/DC adapter |
| | Input: 100-240VAC/50/60Hz |
| | Output: 5VDC/350mA |
| Colour and finishing M166 | Mains plug: Euro, UK, Australia |
| | Handset: Grey |
| | Desktop charger: Grey |
| Audible indicators | Wall unit: Grey |
| | Coverage warning |
| LED indicators | LED circle around the large alarm button with distinctive colour |
| | Blue LED in On/Off key |
| | Red and Green operation state LEDs |

3) Radio coverage of DECT handsets depends on the environment and the presence of obstacles

4) The mains plug contains a changeable part for the different power plugs

Accessories

| | |
|---------------------------------|------------------------------|
| M166 handset accessories | Wall unit with adapter |
| | Belt clip |
| | Lanyard |
| | Battery pack |
| | Desktop Charger with adapter |
| | DLA locator unit |
| | Wired headset |

Transmission & Frequency

| | |
|---------------------------------------------------|--------------------------------|
| Transmitted radio RF power | Less than 250 mW ⁵⁾ |
| Average Radio RF power | 10mW |
| Frequency band EMEA | 1880 – 1900 MHz |
| Frequency band Thailand ⁶⁾ | 1900 – 1906 MHz |
| Frequency band Latin America ⁶⁾ | 1910 – 1930 MHz |
| Frequency band North America ⁶⁾ | 1920 – 1930 MHz |

5) The transmitted Radio RF power is according to local regulations

6) The M166 handset has a triple frequency band and can be used in the EMEA, American and Thai DECT frequency band



M166 Communicator with lanyard

Environmental Conditions

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|--------------------------|-----------------------------|
| Temperature range | Operating: -10 °C to +55 °C |
| | Transport: -25 °C to +70 °C |
| | Storage: -15 °C to +60 °C |
| Relative Humidity | Operating: 10 to 95% |
| | Transport: 10 to 100% |
| | Storage: 10 to 95% |

Package content

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|-----------------------------|--------------------------------|
| M166 package content | M166 with belt clip |
| | Belt clip |
| | Lanyard |
| | Desktop charger and AC adapter |

Compliance

| | |
|-----------------------------------------------------------|------------------------------|
| The M166 carries a CE mark (European directive 1999/5/EC) | |
| EMC | EN 301 489-1, EN 301 489-6 |
| EMF | EN 50360 |
| RF | EN 301 406 |
| Safety | EN 60950-1:2006 + Amendments |

Compatibility

| | |
|--------------------------------------------------------------|-------------------------------------------|
| Platform Compatibility IP DECT | SL Series, SV8100 and SV9100 |
| | SV8300 and SV9300 |
| | SV8500 and SV9500 |
| | iS3000 with DECT or IP DECT |
| | SIP@Net |
| | Certified SIP enabled PBXs or SIP servers |
| Alcatel Lucent, Avaya, Cisco and Broadsoft certified systems | |

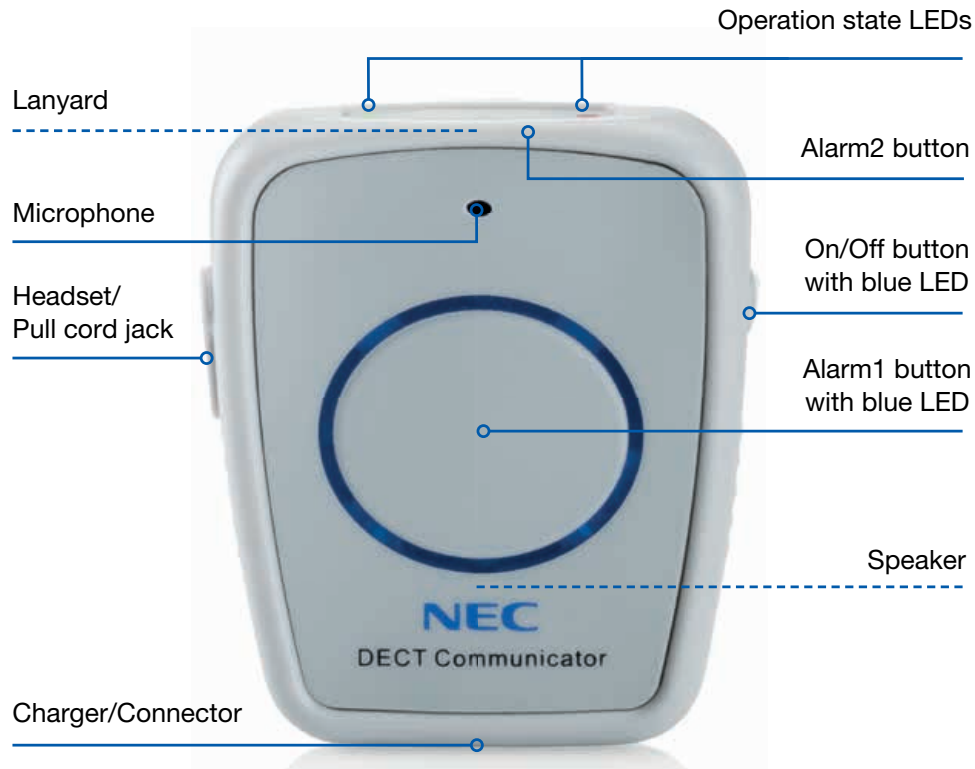
Directives & Regulations

| | |
|-----------------------|---------------------------|
| European Union | Directive 2014/53/EU |
| | EMC directive 2014/30/EU |
| | LVD directive 2014/35/EU |
| | ROHS directive 2011/65/EU |
| | WEEE directive 2012/19/EU |
| USA and Canada | ERP directive 2009/125/EC |
| | FCC part 15C, 15D |
| | RSS 210, RSS 213 |
| HAC/VC | |

AP400 Acces Points

The NEC AP400 IP DECT Access Points provide wireless telephony to enterprise networks. They connect directly to the LAN, so you no longer need dedicated cabling between radio base stations and the PBX. Instead, they make use of a single converged voice and data network.





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