

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.

- The M166 provides freedom and comfort to move around
- Pressing the alarm button will immediately alert the 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

Call handling¹⁾	<ul style="list-style-type: none"> • Automatic call answer • Talk time up to 3 hours 	<ul style="list-style-type: none"> • Standby time up to 72 hours
Design	<ul style="list-style-type: none"> • Robust design for use in professional environments 	<ul style="list-style-type: none"> • Dust and water resistance: IP65
Headset	<ul style="list-style-type: none"> • Wired headset support (2.5 mm) 	
Keys	<ul style="list-style-type: none"> • Alarm 1 button with blue LEDs • On/Off button with blue LED 	<ul style="list-style-type: none"> • Alarm 2 button (on top)
Localization	<ul style="list-style-type: none"> • Multiple (RF) power levels 	
Sound/Audio	<ul style="list-style-type: none"> • Hands free operation 	<ul style="list-style-type: none"> • Trembler
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 ²⁾ 	<ul style="list-style-type: none"> • Software upgrading via headset interface
User interface	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Handset: 63.5 x 53 x 20 mm • Charger: 71 x 69 x 40 mm
Weight	<ul style="list-style-type: none"> • Handset: 50 g • Charger: 120 g • AC Adapter: 90 g
Protection	<ul style="list-style-type: none"> • Handset: IP65
Range	<ul style="list-style-type: none"> • Indoor: 50 m max ³⁾ • Outdoor: 300 m max ³⁾
Power Supply	<ul style="list-style-type: none"> • Handset: 3.7V, 400mAh Lithium-ion battery • Charger: Powered via AC/DC adapter • Input: 100-240VAC/50/60Hz • Output: 5VDC/350mA • Mains plug: Euro, UK, and Australia ⁴⁾
Colour and Finishing M166	<ul style="list-style-type: none"> • Handset: Grey • Desktop charger: Grey • Wall unit: grey
Audible indicators	<ul style="list-style-type: none"> • Coverage warning
LED indicators	<ul style="list-style-type: none"> • LED circle around the large alarm button with distinctive colour • Blue LED in On/Off key • Red and Green operation state LEDs

3) The 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 accessories	<ul style="list-style-type: none"> • Wall unit with adapter • Belt clip • Lanyard • Battery pack • Desktop Charger with adapter • DLA locator unit • Wired headset
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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 has a triple frequency band and can be used in the EMEA, American and Thai DECT frequency band

Environmental Conditions

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

M166C(L) Communicator
Belt clip
Lanyard
Desktop charger and AC adapter

Compliance

The M166 Communicator carries a CE mark (European directive 1999/5/EC)	
EMC	EN 301 489-1, EN 301 489-6
EMF	EN 50360
DECT	EN 301 406
Safety	EN 60950-1

Compatibility

Platform Compatibility	<ul style="list-style-type: none"> Aspire, IPC500, SV8100 and SV9100 2000IPS, SV8300 and SV9300 SV7000, SV8500 and SV9500 iS3000 with DECT or IP DECT SIP@Net XN120, IPC100, SV8100 and SV9100 Certified SIP enabled PBXs or SIP servers Certified systems of Alcatel Lucent, Cisco and Broadsoft
IP DECT	

Directives and Regulations

European Union	<ul style="list-style-type: none"> R&TTE directive 1999/5/EC EMC directive 2004/108/EC LVD directive 2006/95/EC ROHS directive 2011/65/EU WEEE directive 2012/19/EU ERP directive 2009/125/EC
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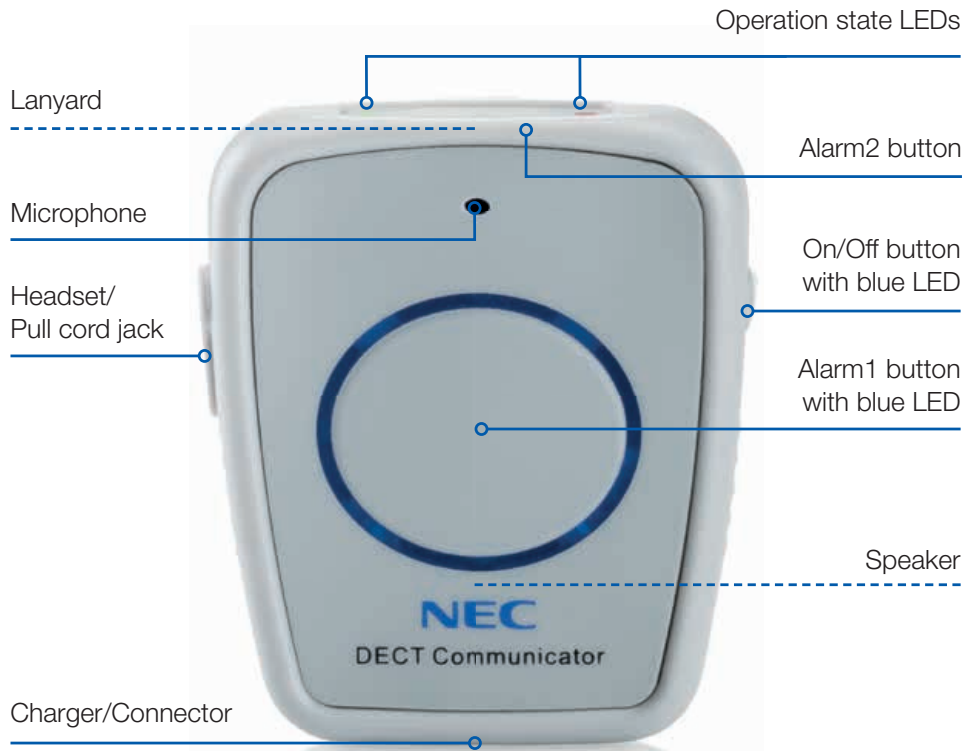
Access Point



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.



M166 Communicator with lanyard



About NEC Corporation: NEC Corporation is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse and global base of customers. NEC delivers tailored solutions in the key fields of computer, networking and electron devices, by integrating its technical strengths in IT and Networks. The NEC Group employs more than 150,000 people worldwide. For additional information, please visit the NEC home page at: <http://www.nec.com>

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