

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

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

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	

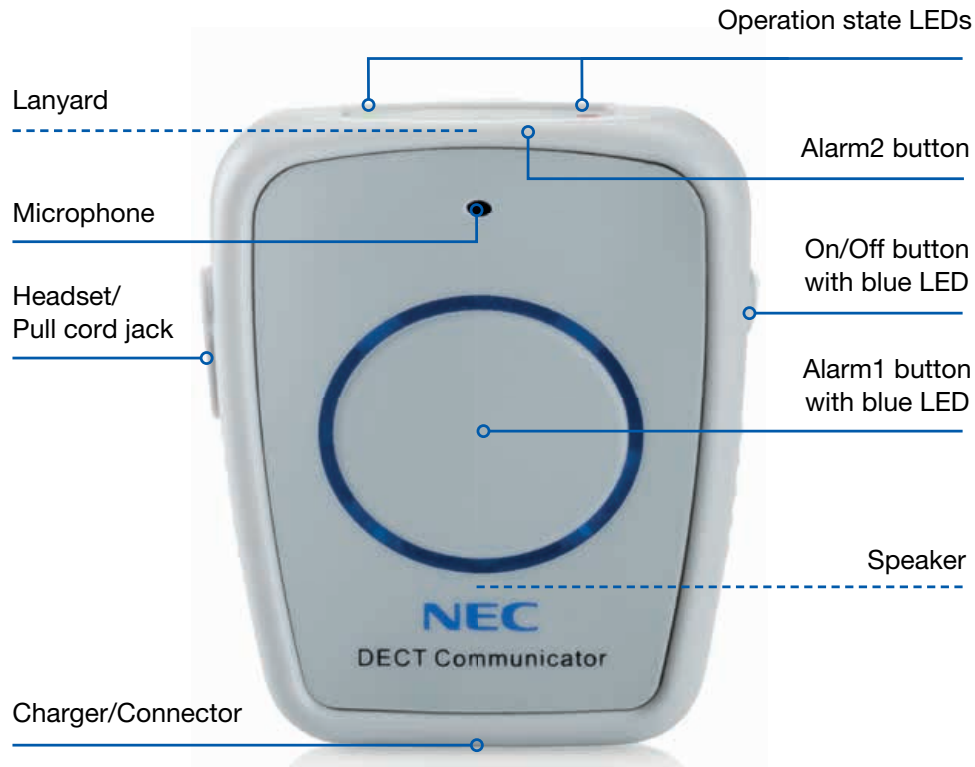
Directives & Regulations

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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