Empowered by Innovation NEC

IP DECT communication

The ultimate devices for voice, text messaging and in-house mobility

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True mobility across your organization

Contents

3 On-site wireless telephony on your IP Network

4 IP DECT key applications & user experience

5 IP DECT handset ML440

6 IP DECT handset G266

7 IP DECT handset G566

8 IP DECT handset G966

9 IP DECT handset I755 - I755x

10 IP DECT M155 Messenger

11 Feature overview

On-site wireless telephony on your IP Network

Today's business environment demands flexible ways of working and increased customer services. Organizations seek to extend the reach of their converged voice and data network but also save on branch office costs. They wish to integrate wireless communications without compromising on voice quality, availability and security. NEC's Business Mobility IP DECT realises all of this, and much more.

Business Mobility IP DECT – combining the benefits of IP and DECT technologies

NEC's Business Mobility IP DECT delivers on-site wireless telephony that uniquely combines the benefits of IP technology with the superior quality and facilities of the well established DECT technology. This brings:

- *Improved Customer Satisfaction* – Callers get quick access to employees, improving customer satisfaction
- *Business efficiency* – Employees can always be reached and seamless handover guarantees conversations continue when on the move
- *Increased performance* – Powerful functionality such as corporate directory access, text messaging and presence
- *Cost savings* – Easy to use wireless voice drastically reduces monthly cellular costs
- *For any organization* – Scalable and secure communications for single office, campus or even metropolitan environments.

Add sophisticated DECT wireless voice solutions to your network

With Business Mobility IP DECT, a single converged network provides both fixed and wireless telephony. Wireless telephony in a multi-site company or large campus environment is a matter of installing IP DECT Access Points (APs) at remote locations, with no need for additional remote equipment. These remote locations become an integral part of your central communication infrastructure.

The IP DECT open architecture, embracing CAT-iq

To protect investments and stay competitive, Business Mobility IP DECT is based on the open SIP standard. This basis offers compatibility to many platforms available in the market. NEC's IP DECT portfolio takes advantage of the new CAT-iq standard with Internet services and HD-voice quality as important enhancements to DECT and supports applications such as Unified Communications, messaging, alarming, task management and localization.

Multi-site mobility

Business Mobility IP DECT provides wireless telephony in a multi-site business or campus environment. Organizations with a main office and different branch offices for instance simply install IP DECT Access Points at remote locations, which form one cluster with all other Access Points via the company's network infrastructure.

Proven reliability – across all levels

DECT has been around for quite a while and still is the best possible mobility solution for the vast majority of businesses. For one, it offers the ultimate in reliability - in terms of scalability, security and coverage. Its exclusive frequency band makes it totally free from interference, while encryption and security are standard. And once installed it never fails.

IP DECT provides key applications and ensures best user experience

Corporate Directory and Presence status

Business Mobility IP DECT provides users access to the company's corporate directory. At all times the telephone numbers and names of the entire organization are at hand. Users can also see the presence of the person they need. No need to search for personal contact information or consult the nearest PC screen, just browse to the right person in your DECT handset and check the person's presence status.

Text and Alarm messaging

Business Mobility IP DECT provides powerful text and alarm messaging capabilities for a wide variety of applications in different types of business. With messaging, staff can be alerted about incidents such as a fire, nurse calls or status of industrial processes. As such it also replaces separate paging systems. Messaging includes individual messages to terminals, broadcast messages to a group of terminals and confirmation messages by the user. Different priority levels allow staff to differentiate between messages.

Location Detection

Business Mobility IP DECT can also be used to locate DECT handsets and their users. This can be essential if e.g. staff need immediate assistance from colleagues. Pushing the SOS button on the phone, the system alerts staff to provide assistance, while the system automatically provides the location information.

Business Mobility IP DECT ensures the best user experience:

- Crystal clear audio quality up to HD audio
- Appealing and ergonomic handsets deliver optimal mobility, flexibility and comfort of use
- Easy access to a central directory and employee presence info
- High feature transparency so you can use the same facilities while away from your desk
- Roaming between networks allows you to use the handset on different (remote) locations
- Full security with secure DECT air interface, uniquely identified handsets and voice encryption
- Easy deployment - plug and play install and downloadable software in APs and handsets
- A scalable solution (up to 750 APs in IP DECT system) for large campuses or organizations
- Messaging and alarming functions offer the optimum in messaging and personal security

Multi-line mobile handset for use in various business environments - ML440

The IP DECT handset ML440 is ideally suited for use in the office as well as in demanding environments, such as in hospitality, retail and warehousing. It provides sophisticated multi-line functionality combined with a robust design, large display, easy to use keyboard and dual charger.

- Provides many different call control features seamlessly integrated with the PBX
- Dedicated line keys with led indication for multi-line functionality
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, including central directory access, presence phone book and calendar entries
- A robust design and intuitive user interface with colour display and icon based menus
- A dual charger allowing an additional battery to be charged
- Provides freedom, comfort and flexibility to the user with options such as headset and built-in trembler
- DECT compliance for high quality speech and security
- High definition audio in line with CAT-iq

Compact and professional handset for mobile office users - G266

The IP DECT handset G266 is a standard mobile handset offering a range of professional capabilities, such as central directory, loudspeaker and personal alarming.

- High definition audio in line with CAT-iq
- Provides many different call control features seamlessly integrated with the PBX
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, including central directory access and presence
- Intuitive user interface with colour display and icon based menus
- A dual charger allowing an additional battery to be charged
- Personal safety with SOS alarming key
- Provides freedom, comfort and flexibility to the user with options such as headset and built-in trembler
- DECT compliance for high quality speech and security

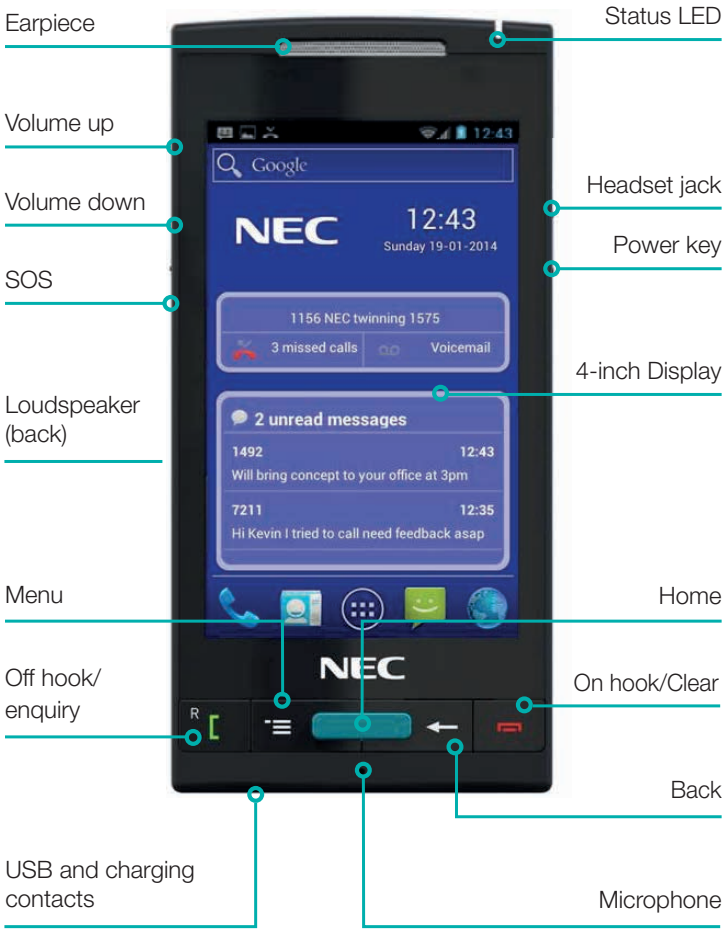
Sophisticated mobile handset with extensive messaging capabilities - G566

The IP DECT handset G566 is a sophisticated handset that provides a range of mobile unified communications and messaging capabilities to fulfill task management and staff/patient safety scenario's in various businesses, hospitality and healthcare.

- High definition audio in line with CAT-iq
- Provides many different call control features seamlessly integrated with the PBX
- Dedicated programmable keys with led indication such as for multi-line functionality
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, incl. central directory, presence, extensive messaging and alarming
- Intuitive user interface with colour display and icon based menus
- A dual charger allowing an additional battery to be charged
- Personal safety with SOS alarming key
- Provides freedom, comfort and flexibility to the user with options such as headset and built-in trembler
- DECT compliance for high quality speech and security

The handsets satisfy advanced requirements for mobile voice and message communication in a business environment, providing mobility, flexibility and accessibility, without compromising on comfort and ease of use.

Sophisticated mobile DECT/WiFi handset with enterprise grade capabilities – G966



The SmartDECT handset G966 is a sophisticated handset providing enterprise grade capabilities and proven DECT voice quality with the flexibility of Android application support.

- High definition audio with G.722 codec in line with CAT-iq
- Mobile Unified Communications features with central directory, presence lookup, messaging / alarming and localization
- Android and WiFi to support any relevant business application
- Front camera for video supported unified communications
- Bluetooth LE (low energy) to connect to a variety of external devices
- Compatible with the (rack) charger of the G266 and G566 handsets
- Appealing design and Smartphone user experience
- Large 4-inch high resolution touchscreen plus all essential keys for call handling
- Secure provisioning over the air
- Dedicated keys, e.g. SOS

Robust handsets for voice and messaging in demanding environments - I755 / I755x

The IP DECT handset I755 has a ruggedized design for use in potentially demanding environments, such as in healthcare, manufacturing and industry. It satisfies the most advanced requirements for voice and message communications environments.

- Provides many different call control features seamlessly integrated with the PBX
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, incl. central directory, presence, extensive messaging and alarming
- Additional protection to users with the man-down function, SOS alarm key and location detection
- Intuitive user interface with colour display and icon based menus
- A dual charger allowing an additional battery to be charged
- Provides freedom, comfort and flexibility to the user with bluetooth headset connectivity
- DECT compliance for high quality speech and security
- Dedicated model I755x for ATEX / IECEx environments

i755x

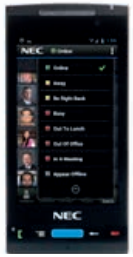
The ultimate message device for healthcare and hospitality environments - M155 Messenger

The IP DECT M155 Messenger is a sophisticated mobile messaging device which is very small and easy to carry. It perfectly fits in staff and patient safety scenarios with alarming, text messaging and instant voice communications while providing the maximum mobility and comfort.

- A very small messaging device and easy to carry (e.g. on the wrist) to provide maximum of freedom, comfort and flexibility to the user
- Display with icons and three text lines
- Name and message display with option for fully automatic voice call setup
- Provides various call control options and seamlesly integrates with the PBX and various applications for alarming, messaging and localization
- Very simple user interface and operation through only two keys
- Built in trembler for silent operation
- DECT compliance for high quality speech and security

Integrated with applications in healthcare and hospitality environments the M155 IP DECT Messenger satisfies the requirements for message communications in an environment where bringing messages to the mobile user is of imminent importance. Furthermore the M155 DECT Messenger can be used for voice communication and it serves as a personal alarm device.

Feature overview for Business Mobility IP DECT handsets[1]

	G266	ML440	G566	G966	I755-s/d/x	M155 messenger
						
Wireless Technology	DECT	DECT / ISIP	DECT	DECT/WiFi	DECT	DECT
Call handling features[2]						
- Auto answer	√	√	√	√	√	√
- Calling name display	√	√	√	√	√	√
- Calling line (CLIP) display / digits	√ / 24	√ / 24	√ / 24	√ / 24	√ / 24	√ / 12
- Call logging / size	√ / 50	√ / 50	√ / 50	√ / 50	√ / 50	√ / 12
Camera	-	-	-	√ (Front)	-	-
CAT-iq – HD audio	√	√	√	√	-	-
Charger / multi-charger rack (handsets)	Dual / √ (6)	Dual / -	Dual / √ (6)	Dual / √ (6)	Dual / √ (6)	√ / -
Standby time	Up to 160 hours	Up to 160 hours	Up to 160 hours	Up to 72 hours *)	Up to 120 hours	Up to 80 hours
Talk time	Up to 20 hours	Up to 20 hours	Up to 20 hours	Up to 8 hours **)	Up to 10 hours	Up to 8 hours
Display	Color, 128x128, 1.44”	Color, 176x220, 2”	Color, 176x220, 2”	Color, 480x800, 4”	Color, 160x128, 1.8”	B/W, 3 text, 1 icon line
Headset (connector/Bluetooth)	√ / -	√ / -	√ / -	√ / √ + (BLE)	√ / √	-
IP-class	IP40	IP40	IP40	IP40	IP54	IP20
IECEx (ATEX)	-	-	-	-	I755x version	-
Location detection	√	-	√	√	√	√
Man down alarm	-	-	-	-	√	-
Messaging / SOS button	- / √	ISIP functions	√ / √	√ / √	√ / √	√ / √
Multi-line / Programmable keys	-	√ / 4-keys/led	- / 4-keys/led	-	-	-
Memory card for handset settings	uSD	-	uSD	uSD	SIM	-
Personal / Central directory	200 / √	100 / √	200 / √	Android people / √	200 / √	5 / -
Software download over the air	√	√	√	√ (via WiFi)	√	√
Speakerphone / HD quality	√ / -	√ / √	√ / √	√ / √	√ / -	√ / -
Vibrator alarm	√	√	√	√	√	√

1) For details, see the datasheets for each type of handset. 2) Availability depends on local market situation and frequency band. Contact your local NEC dealer for more information *) WiFi and BT are off, DECT is standby **) DECT mode only

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For further information please contact your local NEC representative or:

EMEA (Europe, Middle East, Africa)
NEC Enterprise Solutions
www.nec-enterprise.com

10 compelling reasons for Business Mobility IP DECT

✓ **It's proven and reliable**
Business Mobility IP DECT builds on proven and mature technology

✓ **It's scalable**
IP DECT is scalable for 1 to 750 Access Points, offering seamless handover

✓ **It's affordable**
It is very attractively priced without complex licensing structure

✓ **It's integrated**
It offers all the relevant features users expect from any business telephone

✓ **Rich choice of terminals**
For every user-profile a specific handset and a choice of features, applications and accesories

✓ **True mobility across locations**
With IP DECT the handset will subscribe automatically in other locations allowing users to stay reachable under the same number

✓ **Easy deployment and management**
Encryption and security are standard. IP DECT also comes with powerful management tools and the handset software can be downloaded 'through the air'

✓ **Makes Unified Communications a reality**
All IP DECT handsets share the same central directory which is always up-to-date. The directory even shows the presence of the required person

✓ **Powerful messaging to alarm and alert staff**
Alarms and text messages will alert staff, helping them to respond immediately to calamities

✓ **Protects investment**
IP DECT uses open standards such as the open messaging interface, the SIP protocol, new CAT-iq standards and Android

NEC Enterprise Solutions provides IT & Communication solutions to small, medium and large enterprises in both the private and public sectors. Designed for open connectivity, high availability and flexible growth, our innovative solutions incorporate the latest voice, data and video technologies and enable real-time, collaborative working, increased productivity and customer satisfaction. Our servers, storage solutions, software and virtualised workstations enable businesses to maximise operational efficiency, performance and profitability. NEC Enterprise Solutions serves its customers across EMEA (Europe, Middle East & Africa) through a network of direct sales organizations, business partners and value-added resellers. For more information, please visit: http://www.nec-enterprise.com.

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