



UNIVERGE

Business Mobility IP DECT

On-site Wireless telephony on your IP network

Empowered by Innovation

NEC

True mobility across your organization

In today's business environment you want to offer employees a flexible way of working, while increasing customer service. You want to extend the reach of your voice network but also save on branch office costs. You want to optimize the use of your converged network and offer feature transparency between the wired and wireless world. You want to extend VoIP to the wireless world without any compromise in voice quality, availability and security.



With our Business Mobility IP DECT you can do all of that, and more:

- Improved Customer Satisfaction – With IP DECT callers get quick access to your employees, improving customers satisfaction rates
- Business efficiency – With the IP DECT mobility features, employees can always be reached and seamless handover guarantees conversations continue when on the move
- Increased performance – IP DECT offers powerful functionality such as corporate directory access, text messaging and presence on the phone; overall efficiency and productivity will increase
- Cost savings – IP DECT drastically reduces your monthly cellular costs by offering a mobile, flexible, easy to use wireless voice solution in the office environment
- For any organization – IP DECT is a scalable and secure communications solutions for single office environment, campus environment or even metropolitan environment

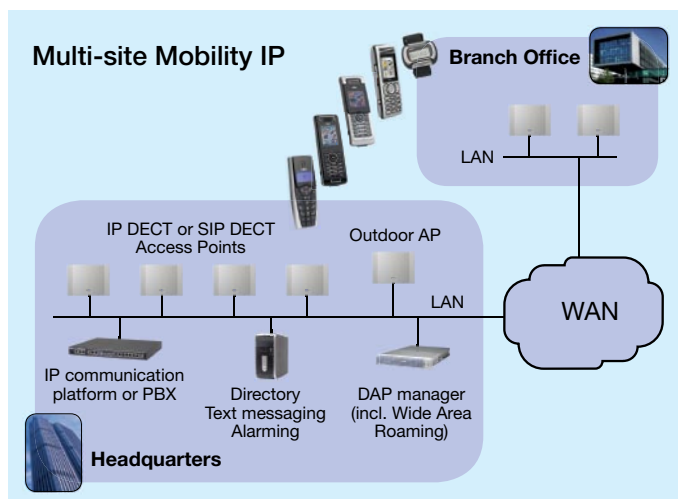
Business Mobility IP DECT delivers on-site wireless telephony in a unique solution that combines the benefits of IP technology with the superior quality and facilities of the well established DECT technology.



Add sophisticated DECT wireless voice solutions to your network

With Business Mobility IP DECT, a single converged network provides both fixed and wireless telephony. Your mobile voice network can easily integrate with applications as they are part of the same network infrastructure. Wireless telephony in a multi-site company or large campus environment is a matter of installing IP DECT Access Points at remote locations, with no need for additional remote equipment. These remote locations become an integral part of your centralized mobile voice communication infrastructure.

Your mobile workforce can profit from a range of handsets that provide basic voice communication up to very advanced functionality and work together with messaging systems, such as nurse call systems in hospitals.



IP DECT infrastructure

- AP200 series Access Points for IP DECT
- DAP Manager accommodates controller and facilitates management
- Outdoor housing for AP200 series
- Directional external antenna

Handset models

- Handset for basic mobile voice communication
- Handset with corporate directory and graphical user interface
- Handset with enhanced messaging features and Bluetooth
- Handset for industrial and demanding environments

Applications and connectors

- DMSAPI open interface for text and alarm messaging
- Messenger@Net messaging platform
- Corporate Directory

IP DECT technology to meet your needs

Business Mobility IP DECT is a unique solution that combines the benefits of IP telephony with the superior quality and facilities of the well-established DECT technology. This IP-based wireless system retains the service level to which your company is accustomed, providing perfect voice quality, seamless handover between cells and a secure air interface.

The IP DECT Access Point is a compact and easy to install, plug-and-play module that provides 12 channels with a capacity for up to 11 simultaneous calls. One channel is used for synchronization with the other Access Points which guarantees the user seamless handover of the call when moving around. Up to 750 Access Points can be connected into one IP DECT configuration.

Peer-to-peer media streaming ensures that voice traffic flows directly between terminals on the IP network, instead of to and from the PBX, as with traditional telephony. This reduces the load on the IP network and improves the quality of service.

Highest feature transparency provides users with the same rich user experience as when using sophisticated wired phones. IP DECT can however also be used on any SIP based PBX system based on the open SIP protocol.

Call security is guaranteed because access to the DECT system is strictly secured to authorized users. The air interface is secured by stringent encryption mechanisms standardized in the DECT protocol.

The IP DECT open architecture

Business Mobility IP DECT has been designed with openness in mind. Only an open system guarantees that you can protect investments and stay competitive.

With Business Mobility IP DECT we provide you with a solution that is based upon open standards. NEC



proves its innovative character by providing the first SIP DECT solution in the marketplace and offering Business Mobility IP DECT to virtually any vendor that complies with the open standards of the SIP interface on their communication platform!

Business Mobility IP DECT follows the worldwide DECT GAP standard. This means that for now, and the foreseeable future, systems will work according to this standard and will support standard DECT handsets.

Finally, Business Mobility IP DECT provides an open interface for text messaging and alarm messaging which is used in various industries, such as hospitality and healthcare. The open interface guarantees connectivity to a variety of specific messaging systems in the market.

Multi-site mobility

Business Mobility IP DECT provides wireless telephony in a multi-site business or campus environment, offering the perfect solution for organizations with a main office and different branch offices, even when they are geographically spread. You simply install IP DECT Access Points at your remote locations, forming one DECT cluster with the Access Points in the main location via the company's network infrastructure. The load on the network can optionally be reduced by using G.729 compression to the remote location.

The user experience is simple and effective; users can simply walk to another building with seamless handover between the Access Points and remain in conversation or stay accessible for incoming calls.

If the DECT systems are not directly connected, roaming between the different systems allows use on different locations. DECT handsets with multiple systems subscriptions even allow using the same handset in different geographical configurations or in buildings with their own Business Mobility IP DECT system or connection. With the multi subscriptions facilities in the DECT handset, users can take their own DECT handset to another location which is not part of the same DECT cluster. The phone will simply connect, based on the authorized subscription.



The IP DECT user experience

Business Mobility IP DECT ensures the best user experience:

- Crystal clear audio quality
- Handsets that deliver optimal mobility, flexibility and comfort of use
- Handsets with an appealing and ergonomic design that are easy to use
- Easy access to a central directory and employee presence information that enhances the productivity of your workforce
- High feature transparency, so employees can use the same facilities while away from their desks
- Full mobility and freedom of movement with seamless handover between Access Points
- Roaming between networks, allowing you to use the handset on different (remote) locations
- Full security with the secure DECT air interface, uniquely identified handsets and voice encryption
- Easy deployment for service engineers and maintenance personnel by simple plug and play installation and downloadable software in both Access Points and terminals
- A scalable solution (up to 750 APs in one IP DECT system) for large campuses or organisations.

In addition, messaging and alarm functions offer your mobile workforce the optimum in messaging and personal security. The DECT handset G955 (opposite page) is one of a range of terminals that provide organizations a wide variety of capabilities. It combines high quality voice services with sophisticated functionality such as corporate directory and presence information, a Bluetooth headset option and text messaging possibilities.



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, and consistent with the information used at the operator desk. Users can also see the presence of the person they need. The functionality is provided on several types of DECT handsets, such as G and I-series. Corporate directory can either be provided by a dedicated application or by the Unified Communications application Business Connect.

This provides the ultimate mobility experience: no need to search for personal contact information or consult the nearest PC screen, just browse to the right person in your DECT handset's central directory and simultaneously check the required person's presence status.



Text and alarm messaging

Business Mobility IP DECT provides powerful text and alarm messaging capabilities. This is valuable for a wide variety of applications in different types of businesses. With messaging, staff can be alerted about incidents such as a fire, nurse calls or status of industrial processes. As such it can also replace separate paging systems. IP DECT 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 to prioritise the very urgent call.

In most implementations a dedicated messaging server is used and fits a certain business environment, providing all interfaces to process input, provide scripts and output modules (to DECT messaging or SMS). This message server can be either Messenger@Net, an open messaging platform, or an external messaging server linked to the IP DECT system via the open interface for messaging. DECT handsets with messaging capabilities and DECT messaging devices can display messages at different urgency levels. Options include special alerting tones, immediate display of the message, and confirmation – either automatically or by user specific action.

Location detection

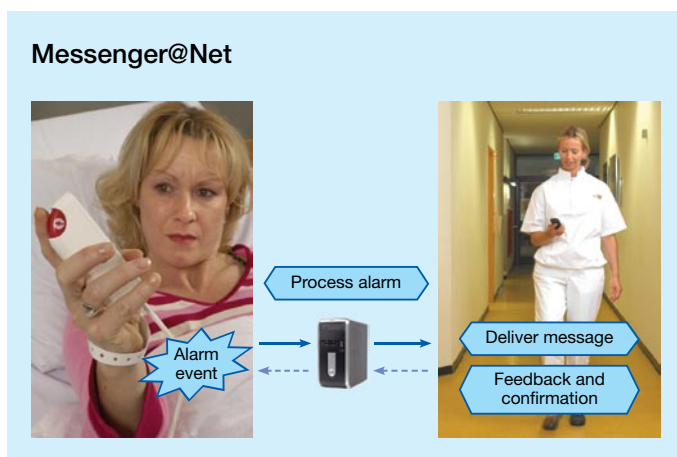
Business Mobility IP DECT can also be used to locate DECT terminals. This can be essential if staff need immediate assistance from colleagues. By pushing the SOS button on the phone, the system locates the position of the phone and alerts staff to provide assistance.

Messenger@Net

The Messenger@Net messaging platform is a powerful solution to monitor and capture critical events, to process them in an advanced way and as a result provide information and alarms to other systems and to staff. Input can come from fire alarming systems, processing can be to determine which staff to be alerted and the output can be to provide silent alarm through DECT messaging on the DECT terminals or SMS to cellular phones.

To capture and dispatch alarms, Messenger@Net interfaces with a variety of external applications, such as on-site paging systems, nurse-call systems, building management systems, Short Message Service (SMS) and electronic mail and supports various protocols such as ESPA and SNMP.

Messenger@Net is suitable for all types of businesses and organisations such as hospitals and care facilities, hotels and holiday villages, industrial complexes, utility providers, emergency services and many other sectors.



The M155 Messenger is a sophisticated wireless messaging device, ideal for use in professional healthcare and hospitality environments. The small watch-like device is easy to wear and offers the user messaging and speakerphone communications.

Why choose for NEC wireless deployments?

Only NEC provides solutions that offer a combination of proven reliability, high quality voice services, mobility options, access to a variety of applications and complete integration with the UNIVERGE IP communications.

We have installed voice-over-wireless systems for over 10 years and are expert in communications convergence. We have also provided specialized assistance to maximize the return on investments through expert planning, design, implementation, installation, maintenance and support services.

We have a proven reputation as an innovator and leader in DECT, as well as its applications and services.

Let our Business Mobility IP DECT help boost your productivity, streamline your business processes, provide better value from existing resources, and manage your costs effectively.

The choice is yours

The ultimate aim of Business Mobility DECT, IP DECT, WLAN and FMC is to enable the real-time enterprise. In other words, to provide employees, wherever they may be, with information and communications at their fingertips and with no time delay. Our Business Mobility solutions allow employees to stay in touch and collaborate wherever they are, by giving them the choice of technology and applications that best suit their operational needs.

We are committed to supporting our customers with the best possible advice, technologies, applications and services, and serving them with the best mobility solution to suit their business goals.

About NEC Corporation: NEC Corporation (NASDAQ: NIPNY) 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, and by providing advanced semiconductor solutions through NEC Electronics Corporation. 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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