VOICE DECT

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VOICE DECT

WIRELESS COMMUNICATION





VOICE DECT

TRUE MOBILITY ACROSS YOUR ORGANIZATION

ON-SITE WIRELESS COMMUNICATIONS ON YOUR IP NETWORK

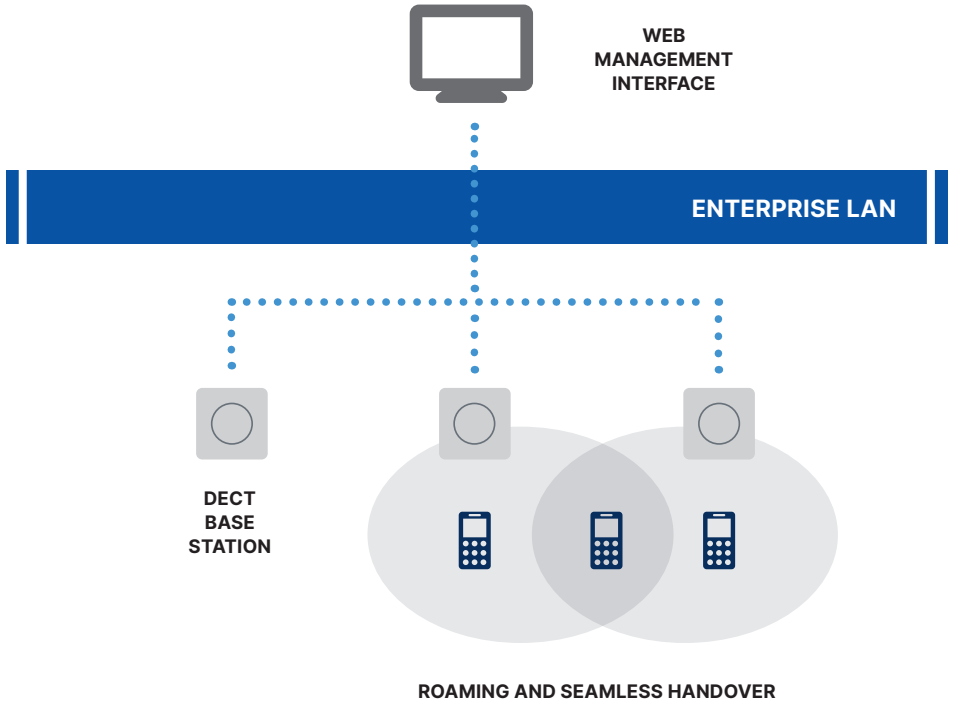
Today's business environment demands flexible ways of working and excellent customer services. Organizations seek to extend the reach of their converged voice and data network and integrate wireless communications without compromising on voice quality, availability and security. DECT realises all of this, and much more.

COMBINING THE BENEFITS
IP AND DECT TECHNOLOGIES

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. A configuration typically consists of Base Stations (BSs), and DECT handsets. The BS connects to the IP network and form a DECT system that provides peer-to-peer IP communications.

ADD SOPHISTICATED DECT WIRELESS COMMUNICATIONS
TO YOUR NETWORK

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



SOPHISTICATED DECT COMMUNICATIONS

PROVEN RELIABILITY
ACROSS ALL LEVELS

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

CORPORATE DIRECTORY

VOICE 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. No need to search for personal contact information or consult the nearest PC screen, just browse to the right person in your DECT handset.

IP DECT INTEROPERABILITY
SUPPORT THE SIP PROTOCOL

VOICE DECT is an open system that can potentially interconnect with platforms from any vendor that supports the SIP protocol.

WAY INTO THE FUTURE
IP AND DECT TECHNOLOGIES

Since its standardisation, DECT has developed into the most successful and favourite technology for wireless on-premises communications. Over the years many innovations have been introduced, resulting in the extensive feature set of VOICE DECT AP500 offered by Comtel.

Today, IP DECT plays an important role in connecting and integrating devices, applications and data. It allows to dynamically design, manage and streamline meaningful workflows across an organization.

Looking to the future, private 5G promises to become a viable option for organizations wanting to deploy their own mobile network without being dependent on a particular operator.





BUSINESS IS CONDUCTED OVER THE PHONE

VOICE DECT ENSURES BEST USER EXPERIENCE

AP500 BASE STATION

The VOICE AP500 DECT Base Stations provide extensive call features combined with crystal clear sound quality. VOICE DECT supports standard SIP and is optimised for the InFrom Voice communication platform.

MULTI-SITE MOBILITY

SOLID FOUNDATION FOR ANY INSTALLATION

Consisting of a Dual Cell base station, a Multicell base station and a Repeater, the series is a solid foundation for any installation size.

From a small office with only one base station up to large enterprises and campuses with several hundred devices, the integrated DECT technology can enable individual installations comprising up to 254 base stations and up to 1.000 handsets. In a DECT project under guidance of COMTEL a system with 4.000 AP500 base stations and 16.000 handsets can be realised.

The AP500 Dual Cell Base Station is a perfect fit for small and medium-sized businesses, providing on-site mobility for users who must be contactable wherever they are within the office. Together with the VOICE G277, G577 and I766 DECT Handsets it offers an extremely cost effective and reliable DECT solution. The coverage can be extended with AP500 Repeaters if needed. The solution can also be upgraded to two AP500 Dual Cell Base Stations in one system ensuring a larger coverage area.



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The AP500 Series DECT Repeater ensures more coverage and range, guaranteeing perfect quality and interruption-free calls across larger premises. Each repeater adds an extra range of up to 50 m indoors and 300 m outdoors. Combined with encrypted daisy chaining this adds 150 m indoors or 900 m outdoors range to a base.

AP500 ACCESS POINT **CHARACTERISTICS**

- Connects directly to the IP network
- DECT and LAN synchronisation
- Wideband and narrowband audio
- PoE support
- TLS encryption
- Wall mounting, ceiling mounting and table stand
- Local and LDAP phone book support
- Central directory on the base station with LDAP support
- Caller identification
- Lists of missed, received and dialed calls
- Seamless handover
- Zero touch installation
- Secure provisioning
- Over-the-air software updates for handsets



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COMPACT AND PROFESSIONAL HANDSET FOR MOBILE OFFICE USERS

VOICE G277 HANDSET

The VOICE G277 handset is an entry level professional mobile handset with mobile unified communication features, plug-and-play, charger compatibility and more for effective operation in various businesses.

- > Many different call control features seamlessly integrated with the PBX
- > Provides freedom to work at any place and freely move around
- > Valuable unified communications, including central directory access and presence
- > Intuitive colour user interface and icon based menus
- > Single or dual charger for additional battery charging; rack charger for 6 handsets
- > Freedom, comfort and flexibility with options like headset and built-in trembler
- > DECT compliance for superior quality speech and security
- > High-definition audio





SOPHISTICATED MOBILE HANDSET WITH EXTENSIVE MESSAGING CAPABILITIES

VOICE G577 HANDSET

The VOICE G577 is a mobile handset combining mobile unified communications with alarming and messaging capabilities, facilitating task management, staff/patient safety and rich messaging in various businesses, hospitality and healthcare. With special anti-bacterial healthcare version (G577h).

- Many different call control features seamlessly integrated with the PBX
- Offers mobile interaction under all conditions in various demanding environments
- Valuable unified communications, including central directory access, presence and extensive messaging and alarming features
- Dedicated programmable keys with LED indication
- Intuitive colour user interface and icon-based menus
- Freedom, comfort and flexibility with Bluetooth- or wired headset and built-in trembler
- DECT compliance for high-quality speech and security
- High-definition audio





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ROBUST DECT HANDSET FOR VOICE AND MESSAGING IN DEMANDING ENVIRONMENTS

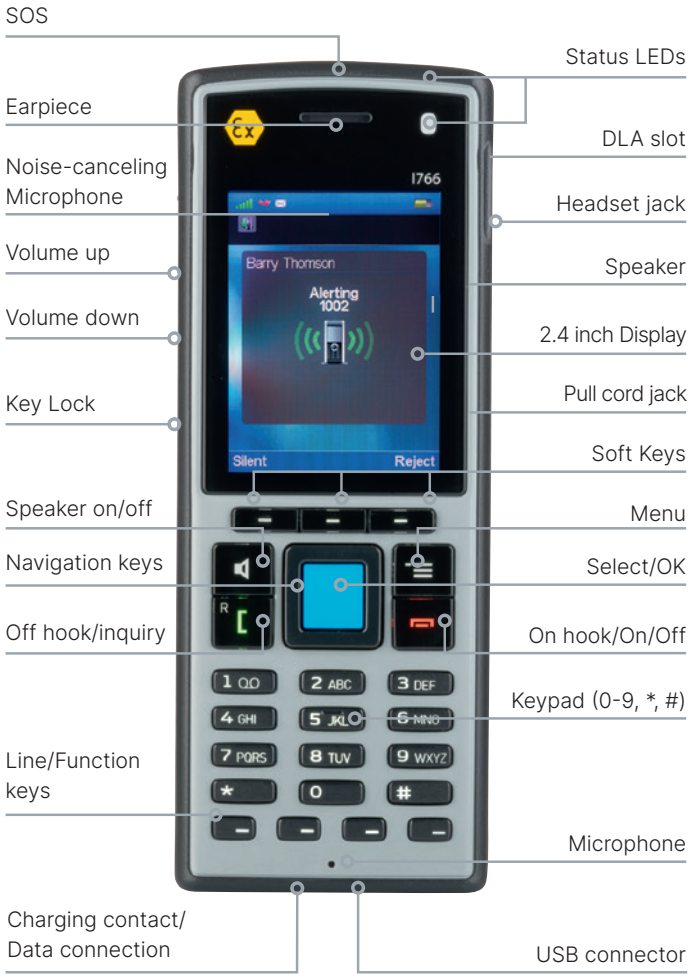
VOICE I766 HANDSET

The I766 DECT handset with its ruggedized design is ideal for the most demanding environments such as in healthcare, manufacturing and industry.

- > Provides many call control features seamlessly integrated with the PBX
- > Any place accessibility while users keep full control over their presence
- > Central directory access and extensive messaging and alarming features
- > Additional protection with the man-down function, SOS alarm key and pull cord
- > Intuitive user interface with color display and icon-based menus
- > Dual- and rack chargers; also charging additional batteries
- > Bluetooth headset connectivity provides freedom, comfort and flexibility
- > DECT compliance for high quality speech and security



I766Ex



VOICE DECT IN ACTION



IN THE OFFICE

From small businesses to large enterprises, workforces are more mobile than ever in the past. With fewer spaces allocated to individuals, more flex-desking and a more distributed workforce, VOICE DECT provides the ideal solution for cost-effective and secure wireless connectivity across the office and its premises. VOICE DECT provides scalable and secure communications for single office, campus or even metropolitan environments.



IN HEALTHCARE

COMTEL's IP DECT dramatically improves communication and collaboration in hospitals, enhancing the quality of patient care as well as patient safety, staff satisfaction and efficient clinical workflows. In care institutions, wireless communication between residents and mobile caregivers reassures residents and saves time. Caregivers can ascertain a call's priority while on the go.



CRUISE INDUSTRY

A particular sector where COMTEL is favoured is the cruise industry. With everything shielded for radio signals, many small rooms, and everyone – guests and staff – expecting to be able to communicate as they walk around, a ship is an extremely difficult environment to deploy wireless communications.



IN RETAIL & WAREHOUSING

Comtel's smart retail solutions create deeper customer loyalty and accelerate better business results. VOICE DECT communications help to handle incoming callers with ease while attending to in-store customers. Store and warehouse managers have access to realtime data and order taking directly from the floor and can quickly respond to requests, reducing lead times and boosting productivity.



IN HOSPITALITY

VOICE DECT makes hotel staff reachable at all times, no matter where they are.



IN INDUSTRY

In industrial and manufacturing environments VOICE DECT is a powerful tool ensuring smooth, trouble-free operati-



SMART SHIP COMMUNICATIONS

ENSURING PASSENGERS AND CREW STAY CONNECTED

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FEATURE OVERVIEW
FOR BUSINESS MOBILITY

Call handling features *	G277	G577 / G577h	I766
- Auto answer	✓	✓	✓
- Calling name display	✓	✓	✓
- Calling line (CLIP) display / digits	✓ / 24	✓ / 24	✓ / 24
- Call logging / size	✓ / 50	✓ / 50	✓ / 50
CAT-iq – HD audio	✓	✓	✓
Charger / multi-charger rack (handsets)	Dual / ✓ (6)	Dual / ✓ (6)	Dual / ✓ (6)
Standby time	Up to 160 hours	Up to 160 hours	Up to 160 hours
Talk time	Up to 20 hours	Up to 20 hours	Up to 16 hours
Display	Colour, 128x160, 1.77”	Colour, 240x320, 2”	Colour, 240x320, 2.4”
Headset (connector/Bluetooth)	USB-C (analogue) / -	USB-C (analogue) / ✓	3,5 mm (analogue) / ✓
IP-class	IP40	IP65	IP65
Man down alarm / Pull cord alarm	- / -	- / -	✓ / ✓
Messaging / SOS button	- / -	✓ / ✓	✓ / ✓
Personal / Central directory	100 / ✓	200 / ✓	200 / ✓
Software download over the air	✓	✓	✓
Speakerphone / HD quality	✓ / -	✓ / ✓	✓ / ✓
Trembler alarm	✓	✓	✓
Antibacterial provisions	-	G577h	-

For details, see the datasheets for each type of handset *) Availability depends on local market situation and frequency band. Contact your local COMTEL dealer for more information.

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8 COMPELLING REASONS **FOR VOICE DECT**

1. **It's proven and reliable**
   VOICE DECT builds on proven and mature technology.
2. **It's scalable**
   VOICE DECT is scalable for 1 to 4.000 Access Points, offering seamless handover.
3. **It's affordable**
   It is very attractively priced without complex licensing structure.
4. **It's integrated**
   It offers all the relevant features users expect from any business telephone.
5. **Rich choice of terminals**
   For every user-profile a specific handset and a choice of features, applications and accessories.
6. **Easy deployment and management**
   Encryption and security are standard. VOICE DECT also comes with powerful management tools; handset software can be downloaded 'through the air'.
7. **Makes Unified Communications a reality**
   All VOICE DECT handsets share the same central directory which is always up to date. The directory even shows the presence of the required person.
8. **Protects investment**
   VOICE DECT uses open standards such as the open messaging interface, the SIP protocol, and CAT-iq standards.

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