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Per site, the Ascom IP-DECT system is built to support:

- 100 IP-DECT gateways
- 1,000 IP-DECT Access Points
- 20,000 handsets

With the multiple masters and load balancing functionality the total system can handle

- 1,000s of IP-DECT Gateways
- 10,000s of IP-DECT Access Points
- Over 100,000 hand-sets (no, it's not a misprint)

IP-DECT Access Points have 8 channels for voice calls and 4 channels dedicated for messaging, alarm, broadcast and synchronization, meaning alarms will always get through even if all voice channels are occupied.

IP-DECT gateways can handle 40 voice calls and 16 base stations

WHY CHOOSE THE ASCOM IP-DECT SYSTEM?

- Tried and tested technology
- High level of security (reserved spectrum, DECT authentication and encryption)
- Utilizing latest technology
- Superb voice quality
- Advanced alarm and messaging features
- Easy installation and maintenance
- Supports SIP, H.323 and HL7 protocols
- Roaming between sites
- Migration DECT to IP-DECT
- Scalable functionality
- Active directory integration

Ascom Wireless Solutions (www.ascom.com/ws) is a leading provider of on-site wireless communications for key segments such as hospitals, elderly care, independent living, manufacturing industries, retail and hotels. More than 75,000 systems are installed at major companies all over the world. The company offers a broad range of voice and professional messaging solutions, creating value for customers by supporting and optimizing their Mission-Critical processes. The solutions are based on VoWiFi, IP-DECT, Nurse Call and paging technologies, smartly integrated into existing enterprise systems. The company has subsidiaries in 10 countries and 1,200 employees worldwide. Founded in the 1950s and based in Göteborg, Sweden, Ascom Wireless Solutions is part of the Ascom Group, listed on the Swiss Stock Exchange.

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ASCOM IP-DECT SOLUTIONS FEEL A NEW CONFIDENCE





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If you are responsible for mission critical communications, you need to be confident that your wireless communications system can hold up under the same pressure you do, every day.

That means a mobile voice and data network that is secure and dependable on one hand, while offering all the benefits of cordless integration on the other. The simple answer is Ascom IP-DECT, a cost-efficient solution that combines the best of traditional thinking with all the promise of tomorrow.

FORGET ABOUT COSTLY UPGRADES – WE INTEROPERATE

Thanks to the unique Ascom IP-DECT gateway, migration from legacy technologies to VoIP is smooth and cost-efficient. Even if you have an old analog PBX a simple “IP-fication” quickly gives you access to the advantages of cordless integration. Supporting the SIP standard (and a growing number of other RFC:s), we provide interoperability with a diverse install base from major PBX systems on the market, meaning you can most likely upgrade your existing system and continue to see returns on your initial investment. In other words, since no separate infrastructure has to be built or maintained Ascom IP-DECT is good news for your IT budget.



BREATHE EASY WITH END-TO-END SECURITY

As security threats to enterprises grow more sophisticated every year, you need the assurance of an airtight system that can keep sensitive information secure. Thanks to a combination of authentication and encryption techniques (DECT Standard Authentication Algorithm DSAA, DECT Standard Ciphering Algorithm DSCA and SRTP encryption over LANs), you can rest assured knowing that your Ascom IP-DECT system is immune to alarm tampering and voice/data eavesdropping.



INVEST IN A SCALABLE SOLUTION TAILORED TO YOUR NEEDS

Your organization is unique. It needs a communications solution that can adapt to your particular needs and requirements. Ascom IP-DECT Solutions provides easy support for small and large networks, up to tens of thousands of phones, seamless call handover, unlimited roaming, and the possibility of multi-site installations. With our Multi Master feature your people can stay connected as they move from building to building, site to site, or even country to country. And since you only need a single system, you also get the benefits of easy administration, easier set-up and less equipment required.



SAVE TIME THROUGH EASY INSTALLATION AND CENTRALIZED MANAGEMENT

Administrating your Ascom IP-DECT system is easy. It consists of just a few plug & play components, and with our Centralized Management tool you can swiftly carry out configurations and maintenance in a user-friendly, web-based environment. Instead of having to locate and collect all handsets being used within your organization – to perform updates, upgrades and adjust settings – you can handle the entire operation wireless, over the air, with perfect synchronization and complete control.



CREATE A SINGLE INTEGRATED SYSTEM WITH ASCOM UNITE

Managing a tangle of different systems for alarms, telephony, e-mail, logistics, information handling, building management, and more, drains time, money and energy. With the Ascom Unite professional messaging and alarm platform you can enjoy seamless integration of all these systems and make them readily accessible via applications tailor made for Ascom IP-DECT handsets, or even the pagers, smartphones and tablets of your choice. Two-way traffic allows you to quickly exchange messages with colleagues and empowers you to act instantly on any critical information you receive from a system. Ascom Unite also puts you further in control by providing complete logging, audit trail, dashboards and management reports.

