

[ ]

ASCOM VoWiFi SYSTEM THE COMPLETE SOLUTION  
– SUPPORTS A FULL RANGE OF OPEN STANDARDS



Building on our reputation as a leader in professional on-site wireless communication, Ascom is proud to offer a high-performance, standards-based VoWiFi system. Whether you are in the market to overhaul your entire communications infrastructure or expand the functionality of your current system, we provide a one-stop solution that you will not find anywhere else.



#### Why choose the Ascom VoWiFi system?

- Standards-based (802.11)
- Interactive Messaging
- Alarm handling
- Purpose built highly reliable hardware

#### Increase your cost-efficiency

Following the successful convergence of data and voice traffic on a single IP network, organisations great and small can look forward to significant cost-efficiencies. With just one infrastructure to support both voice and data, there are fewer cables to keep track of and, consequently, simplified maintenance and a lower total cost of ownership.

What is more, because IT and telephony are no longer separate functions, you only need one department to manage both.

#### The Ascom VoWiFi system – integrating today, tomorrow and beyond

At the heart of our philosophy is smart integration, a unique ability to link systems, personnel and machines – for maximum efficiency. We design our solutions to be future-proof. As the demands of your organisation change over time, our solutions adapt with them.

That is why the Ascom VoWiFi system supports a full range of open standards, while also accommodating a comprehensive spectrum of PBXs, switches, access points and much more. Our solution can be integrated with virtually any enterprise system, including ERP, fire alarms and OPC. Not only is the Ascom VoWiFi system compatible with all our other products, you can also mix carriers within one system.

What about expansion capabilities? The sky is the limit. Components such as switches, access points and handsets can be readily replaced – independently of each other.



▪ Supports both SIP and H.323

#### Supporting a full range of standards

The Ascom VoWiFi system supports both IEEE 802.11b and g radio networks, allowing smooth operation on 802.11g networks without the throughput impact caused by slower 802.11b devices. The system also supports novel standards such as IEEE 802.11i and IEEE 802.11e, ensuring a high level of security and voice quality.

#### The Ascom VoWiFi system – a one-stop solution

The Ascom VoWiFi is a standards-based package that consists of VoWiFi portable handsets, a smart, flexible and robust messaging system as well as a VoIP gateway that allows smooth integration with your current communication networks.

#### The gateway to wireless efficiency

The Ascom VoIP Gateway allows smooth integration with a circuit-switched PBX or public switched telephone network to provide high quality voice communication between Ascom VoWiFi handsets and any other telephone in your facility. Specially designed for businesses – providing state-of-the-art digital telephony for up to 1,000 Ascom handsets, the VoIP Gateway offers T1 or E1 interfaces and 60 simultaneous speech channels to the PBX. And to ensure maximum compatibility, there is full support for a comprehensive range of protocols, including QSIG, NI-2, 5ESS, DMS 100 as well as the E&M CAS trunk protocol.

Built for high availability and trouble-free maintenance, the VoIP Gateway contains no fans or moving parts.



The building blocks of the system are:

- VoIP Gateway
- Portable Device Manager
- Integrated Messaging Server
- Wireless handsets

#### **Portable Device Manager – an easy-to-use administration tool**

To keep your administration as simple as possible, each and every handset (including its status information) can be accessed via a web browser-based PDM tool. All upgrades, software downloads and configurations can be handled both centrally and remotely – ‘over-the-air’. There is no need to collect users’ handsets. For which your personnel will be grateful.

#### **Integrated Messaging Server – less downtime, more security**

The Integrated Messaging Server facilitates smooth integration with the Ascom UNITE messaging system. This solution provides two-way traffic and alarms to and from each handset which can be dealt with on a pre-defined priority basis. Furthermore, the system provides a complete message audit trail, greatly simplifying fault-tracing and other diagnostic procedures. Vital machinery, for example, is easily monitored and controlled via a VoWiFi handset.

This is a truly world-class solution that delivers robust, high delivery throughput for single, group and broadcast messaging.

#### **Ascom i75® VoWiFi handsets – purpose-built for rough environments**

The Ascom VoWiFi package includes the portable handsets Ascom i75 Protector and the i75 Messenger – wireless telephony, alarm and messaging in unbeatable units. Combining superior functionality with streamlined Nordic design, the Ascom i75 handsets delivers performance you won't find in any other VoWiFi handset. Designed for maximum flexibility, these handsets meet the demands of not only the healthcare sector and heavy industry, but are also elegant enough to be used in the most sophisticated office environments.



- OTA synchronisation
- Shared phone with personal preferences
- Preferences back-up

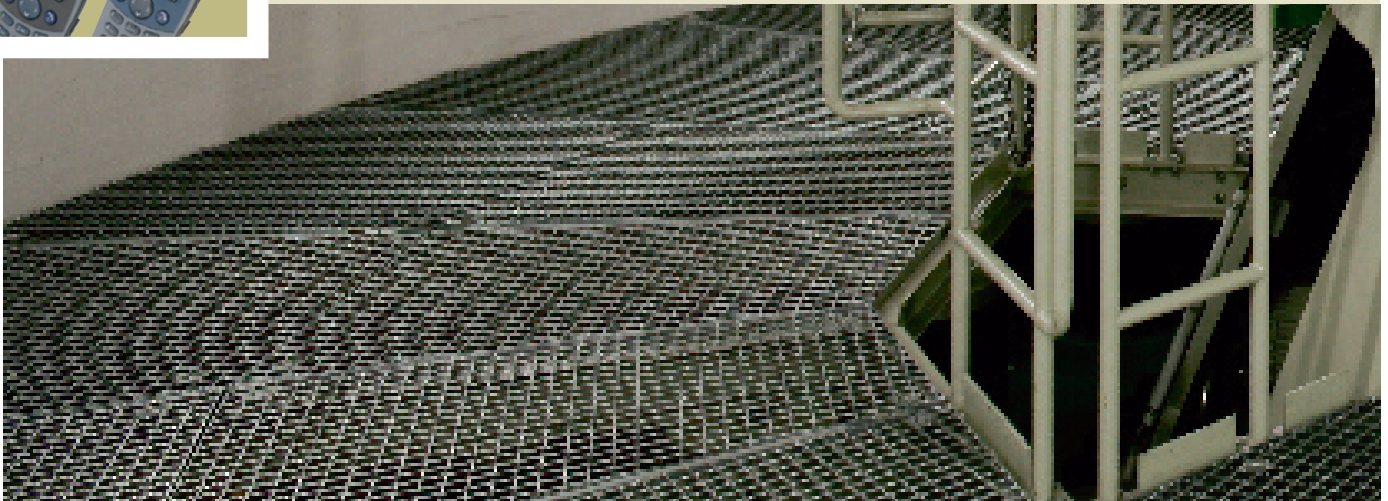
### Virtual SIM – unreal benefits

Let's say you drop your handset in a vat of acid. Or mislay it. Or break it (highly unlikely, but you never know). Not to worry. The Virtual SIM feature allows you to use another 'system-associated' handset – but with your settings. How does it work? Your personal settings – for example volume, menu and local phonebook – are stored on a central server.

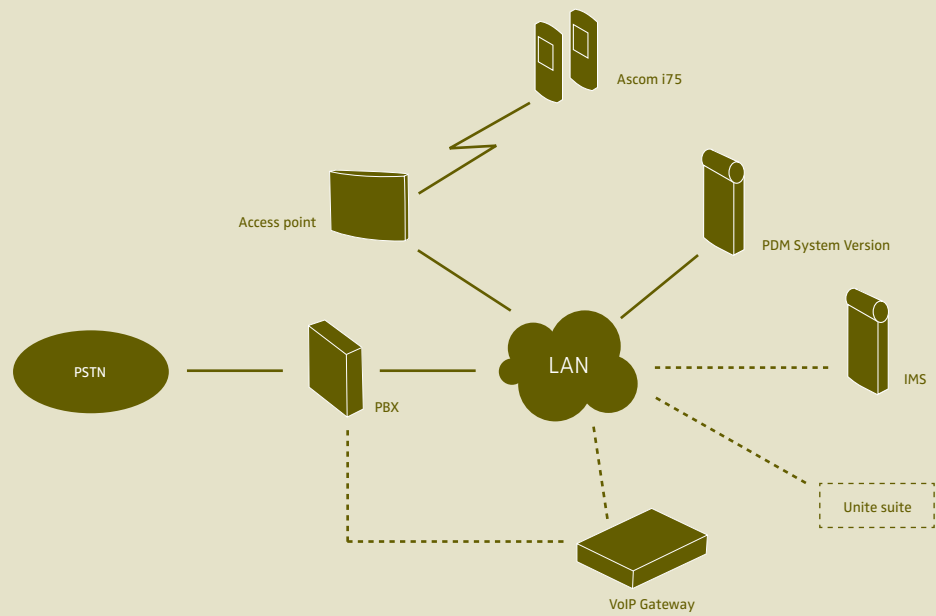
Following a simple user action, this information is automatically transferred to the new handset over the air. What better way to save time and maintain productivity!



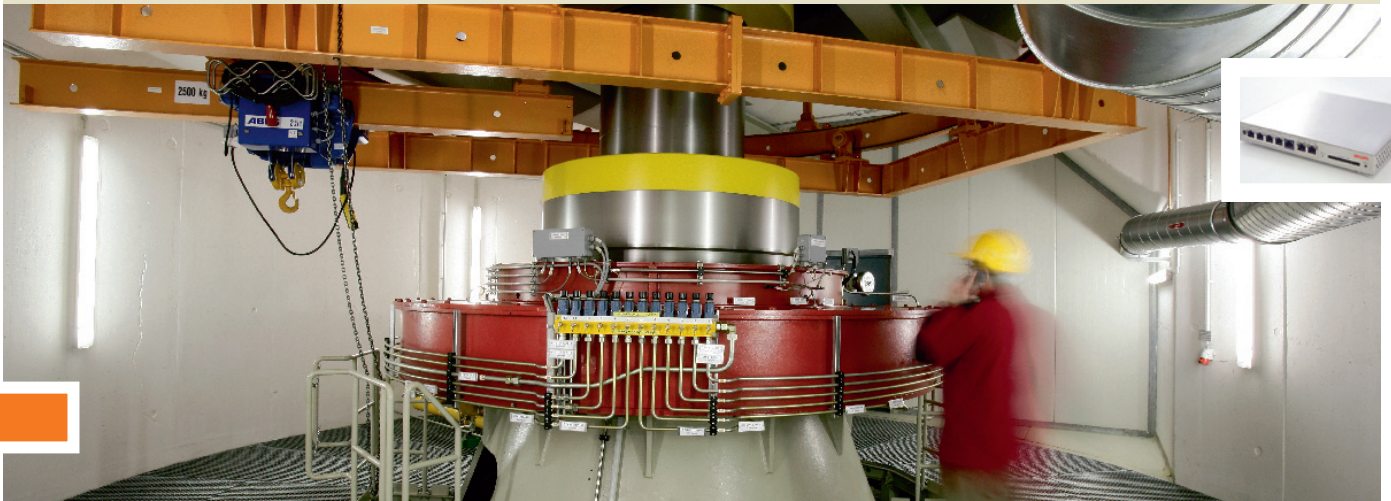
Ascom i75 VoWiFi handsets have tested compatible with Cisco Compatible Extension, (CCX) version 2. Go to [www.ascom.com/ws/products\\_ws/vowifi\\_ws.htm](http://www.ascom.com/ws/products_ws/vowifi_ws.htm) for disclaimer.



## ASCOM VoWiFi SOLUTION



All components are connected or incorporated directly to an IP-based LAN infrastructure, eliminating the need for extra proprietary cabling, connectors or network appliances.



[ [www.ascom.com](http://www.ascom.com) ]

## ON-SITE WIRELESS COMMUNICATIONS FOR QUICKER RESPONSE – REGARDLESS OF TECHNOLOGY

### **Messaging, personal security and cordless telephony – all-in-one**

The Ascom concept for cordless communication has been developed to increase the accessibility and security of people on the move in their work-place. Each system can be fully integrated with any of the others, as well as with a number of other applications.

All Ascom systems can be extended and updated with new applications and features. Furthermore, they are fully compatible with earlier versions as well as with other open systems.

### **Smart integration with your existing systems**

Our solutions integrate smoothly with a wide range of systems, including ERP, MES, RMS, HIS, LIS, PACS, RIS (the latter four within healthcare), technical and administrative systems, plus LAN, PBXs and existing IT-infrastructure.

Our solutions are future-proof. You can easily upgrade your wireless solution and introduce new systems without breaking the bank.

---

**Ascom**  
**Wireless Solutions**  
P.O. Box 8783 SE-402 76 Göteborg, Sweden  
T +46 31 55 93 00 | F +46 31 55 20 31  
[www.ascom.com/ws](http://www.ascom.com/ws)

