

Ascom IP-DECT System

Proven quality
and reliable mobile
communications on a
dedicated network.

ascom



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Ideal for healthcare environments, this reliable wireless solution utilizes dedicated frequencies to deliver secure, interference-free mobile communication to increase staff efficiency and productivity.

The Ascom IP-DECT mobility solution is the ideal combination of enterprise grade Voice over IP (VoIP) and Digitally Enhanced Cordless Telephony (DECT) standards to provide a truly scalable and fully integrated wireless communication platform. Seamless call handover and automatic roaming features ensure reliability. The Ascom IP-DECT access points can be connected direct to local area network infrastructure without laying additional cables.

The Ascom IP-DECT solution can be configured with one of two system types; IP-DECT access points or IP-DECT Gateway. This professional grade communication solution may be integrated with IP-PBXs via a direct SIP interface or with legacy PBXs via Ascom VoIP Gateways.

Infrastructure

Ascom IP-DECT access points provide an easy way to add mobile voice services onto an existing wired LAN with low maintenance, zero-touch RF design wireless infrastructure. IP-DECT access points connect directly into any port on an existing wired LAN for transport back to the PBX switch.

Providing a dedicated network and wireless communication solution, the Ascom IP-DECT gateway carries no dependency on the Ethernet packet data network. The IP-DECT Gateway works with Ascom TDM-DECT base stations and the Ascom VoIP Gateway to seamlessly integrate with your PBX.

Powered through the connection to the IP-DECT gateway, the small TDM-DECT base stations provide coverage and capacity with two internal antennas and improved performance through antenna diversity selection. Each base station contributes eight simultaneous speech channels, seamless handover and roaming.

Wireless Handsets

The Ascom IP-DECT system supports a highly versatile wireless handset portfolio which includes the d63, the d81 and the d81 EX. Both the d63 and d81 offer a powerful mobile communication platform packed with feature-rich applications that improve efficiency in demanding environments.

The Ascom d63 features wideband audio, an extended bandwidth of 50Hz to 7,000Hz that delivers exceptional sound quality that goes beyond traditional telephony. And it's backward compatible, achieving outstanding sound quality even when communicating with conventional devices. For volatile settings, the d81 EX model is the world's only ATEX and CSA approved handset that feature enhanced security applications for increased safety.

Enterprise Messaging

Ascom Unite Software provides Ascom handsets with two-way messaging, user originated data and mobile alarms. All messaging activities are recorded by Unite, providing real-time activity logging for complete audit trail records and reporting.



Introducing the Ascom d63

- Hi-resolution color screen
- Wideband audio
- Prioritized and color-coded interactive messaging
- DECT Security (encryption)
- Central management
- Shared phone
- Bluetooth
- Multi-function button
- 3.5mm headset connector
- Push-to-Talk
- Cleanable (IP44)

Central Management

Through an intuitive user interface, handset updates, upgrades and configuration changes can be applied easily and quickly. The platform simplifies monitoring of handsets spread over multiple locations.

Handsets are automatically synchronized over the air or when returned to a LAN connected advanced charger. System administrators create, apply and manage specific templates for user groups, optimizing both usage and operational efficiency. When new handsets are added to the group, centralized management allows fast, simultaneous configuration. Personal settings can be applied automatically, synchronized and saved centrally.

Scalability, Flexibility, Simplicity

The Ascom IP-DECT is as versatile as it is scalable. Whether a small to medium enterprise, or a large multi-site corporation, Ascom's IP-DECT modular architecture can scale up and is flexible enough to fit your needs.

Zero-touch RF

Continuous Dynamic Channel Selection (CDCS) is the core technology of the Ascom zero-touch RF system. CDCS is a full-time, automatic process used to select the most suitable high quality time and frequency access channel. CDCS optimizes the distribution of available channels per cell. Calls are seamlessly handed over from one channel to another within one cell, optimizing the received signal and eliminating the need for radio frequency planning.

Encryption

The Ascom IP-DECT system offers fully encrypted, authenticated communication and digital radio transport between the access point or base station and the handset, with a new encryption key used for each call.

For More Information

To learn how a custom Ascom solution can improve the efficiency of your business, visit www.ascom.us or call 877-71ASCOM.

“Ascom provided a system with bullet-proof coverage and interference-free communication compared to other technologies available in the market.”

Mark A. Stauff, Telecom Mgr, IS
Children's Hospital of Philadelphia



Ascom IP-DECT Handset Feature Comparison

	d63 Messenger	d63 Protector	d81 Messenger	d81 Protector	d81 EX Messenger	d81 EX Protector
Color Display	✓	✓	✓	✓	✓	✓
Vibrate Alert	✓	✓	✓	✓	✓	✓
Loudspeaker	✓	✓	✓	✓	✓	✓
Wideband Audio	✓	✓				
Wired Headset Connector	✓	✓	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Bluetooth Headset Support	✓	✓	✓	✓	✓	✓
Bluetooth Scanner ²				✓ ²	✓ ²	✓ ²
Programmable Soft keys	✓	✓	✓	✓	✓	✓
Local Phonebook	✓	✓	✓	✓	✓	✓
Central Phonebook	✓	✓	✓	✓	✓	✓
Centralized Management	✓	✓	✓	✓	✓	✓
Professional Messaging	✓	✓	✓	✓	✓	✓
Multi-function Button	✓	✓				
Man-down/No-movement Alarm				✓		✓
Enhanced Push-to-Talk ³	✓ ³	✓ ³				
Replaceable Battery	✓	✓	✓	✓	✓	✓
Intrinsically Safe					✓	✓
Pull Cord				✓		✓
Languages: 18 (+1 Downloadable)	✓	✓	✓	✓	✓	✓
Shared Phone	✓	✓	✓	✓	✓	✓
Acoustic Location Signal				✓		✓

About Our Company

Ascom is a global solutions provider focused on healthcare Information and Communication Technology (ICT) and mobile workflow solutions. The vision of Ascom is to close digital information gaps allowing for the best possible decisions – anytime and anywhere. Ascom’s mission is to provide mission-critical, real-time solutions for highly mobile, ad hoc, and time-sensitive environments. Ascom uses its unique product and solutions portfolio and software architecture capabilities to devise integration and mobilization solutions that provide truly smooth, complete and efficient workflows for healthcare as well as for industry and retail sectors. Ascom is headquartered in Baar, Switzerland, has subsidiaries in 15 countries and employs around 1,300 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.

¹Adapter for standard 2.5mm headset connector sold separately.

²Additional Bluetooth barcode scanner license required.

³PTT functionality requires the IGC and AA60 or a customer supplied conference bridge. This product is not a Medical Device.