



# 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 communication system is a dedicated network, wireless solution that can be integrated with existing networks, increasing staff efficiency and productivity.*

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## For More Information

To learn how a custom Ascom solution can improve the efficiency of your business, visit [www.ascom.us](http://www.ascom.us) or call 877-71ASCOM.

Any enterprise workplace can be enhanced by adding the Ascom IP-DECT system, which utilizes industry standard TDM and VoIP telephony interfaces to provide a fully integrated wireless communication platform. Seamless call handover and automatic roaming features ensure reliability for mobile users. 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 TDM PBX's 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 wired and wireless voice 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: the d41, the d62, the d81 and the d81 EX. The d41 is an ideal handset for users with less complex demands but who still require reliable, quality handsets for intense daily use.

The d62 and d81 offer the professional worker a powerful communication tool packed with feature-rich applications that improve efficiency in demanding environments. For volatile settings, the d81 EX models are the world's only ATEX and CSA approved handsets that feature enhanced mobile security applications for increased worker safety.

## Enterprise Messaging

The Ascom Unite Messaging Suite provides select Ascom handsets with two-way messaging, user originated data and mobile alarms. The message is instantly displayed allowing quick and accurate response. All messaging activities are recorded in the Unite Messaging Suite providing real-time activity logging for complete audit trail records and reporting.



## Centralized 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 (OTA) 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 system is extremely modular in design. Regardless of whether you're operating a small business or a large, multi-site enterprise corporation with remote offices, Ascom provides the solution you need. With the multiple masters and load balancing architecture, the Ascom IP-DECT system can handle 100s of IP-DECT Gateways, 1,000s of IP-DECT access points and more than 100,000 handsets!

An entire Ascom system contains only a few simple plug and play components and with web-based administration, no specific software is needed. This gives easy management a whole new meaning – offering administrators substantial benefits in time and efficiency.

## 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.

“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									
	d411 Basic	d41 Advanced	d62 Talker	d62 Messenger	d62 Protector	d81 Messenger	d81 Protector	d81 EX Messenger	d81 EX Protector
Color Display			✓	✓	✓	✓	✓	✓	✓
Vibrate Alert	✓	✓	✓	✓	✓	✓	✓	✓	✓
Loudspeaker	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wired Headset Connector	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>2</sup>
Bluetooth Headset Support			✓	✓	✓	✓	✓	✓	✓
Bluetooth Data Support				✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>	✓ <sup>3</sup>
Programmable Soft keys			✓	✓	✓	✓	✓	✓	✓
Local Phonebook	✓	✓	✓	✓	✓	✓	✓	✓	✓
Central Phonebook		✓	✓	✓	✓	✓	✓	✓	✓
Centralized Manager		✓	✓	✓	✓	✓	✓	✓	✓
Mini Messaging (12 characters)		✓							
Professional Messaging			✓	✓	✓	✓	✓	✓	✓
Multi-function Button			✓	✓	✓				
Push-button Alarm					✓		✓		✓
Man-down/No-movement Alarm							✓		✓
Enhanced Push-to-Talk <sup>4</sup>				✓	✓	✓	✓	✓	✓
24/7 Use			✓	✓	✓	✓	✓	✓	✓
Intrinsically Safe								✓	✓
Pull Cord							✓		✓
Acoustic Location Signal							✓		✓

## About Our Company

Ascom is the leading Information and Communication Technology provider, delivering integrated workflow intelligence via services and applications that connect and mobilize healthcare professionals to improve patient safety and satisfaction. From scalable nurse call communication systems for better clinical workflow to the first purpose-built smart devices for healthcare, all Ascom solutions seamlessly integrate via Ascom Unite software into existing systems in hospitals, clinics and senior living communities. Based in Research Triangle Park, North Carolina, Ascom is a subsidiary of Ascom Group. For more information, visit [www.ascom.us](http://www.ascom.us) and follow @AscomNA and LinkedIn.

<sup>1</sup>Missed Calls features not available on d41 Basic.

<sup>2</sup>Adapter for standard 2.5mm headset connector sold separately.

<sup>3</sup>Additional Bluetooth data license required.

<sup>4</sup>PTT functionality requires the IGC and AA60 or a customer supplied conference bridge. This product is not a Medical Device.

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