

[IP-DECT PORTFOLIO]

ASCOM FREESET IP-DECT SYSTEM

PACKET DATA AND DEDICATED HIGH-QUALITY
WIRELESS VOICE ON A SINGLE NETWORK.



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ASCOM ENHANCED
PUSH-TO-TALK
HANDSETS

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Ideal for healthcare, enterprise, retail or industrial environments, the reliable Freetset IP-DECT on-site wireless communication system is a unique digital wireless telephony and messaging solution that can be connected to existing communication networks, increasing staff efficiency and productivity.



9d24 Messenger

Ascom Freetset IP-DECT introduction

Any enterprise workplace can be enhanced by adding the Ascom Freetset 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 Freetset IP-DECT solution can be configured with one of two system types; IP-DECT base stations 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.

Freetset IP-DECT base stations

Ascom IP-DECT base stations 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 base stations connect directly into any port on an existing wired LAN for transport back to the PBX switch.

Freetset IP-DECT Gateway with BS330 base stations

Providing a completely 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 BS330 base stations and the Ascom VoIP Gateway to seamlessly integrate with your PBX. Powered through the connection to the IP-DECT gateway, the small BS330 base stations provide coverage and capacity with two internal antennas and improved performance through diversity selection. Each base station contributes eight simultaneous speech channels and seamless roaming.

Wireless handsets

The Freetset IP-DECT system supports a highly versatile wireless handset portfolio: the d41, the d62, the 9d24 and the 9d24 EX. The d41 is an ideal solution for users with less complex demands but who still require reliable, quality handsets for intense daily use. The d62 and 9d24 offer the professional worker a powerful communication tool packed with feature-rich applications that improve efficiency in demanding environments. For volatile settings, the 9d24 EX models are the world's only ATEX and CSA approved handsets that feature enhanced mobile security applications for increased worker safety.



UNITE Professional 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 Ascom Communications Server providing real-time activity logging for complete audit trail records and reporting.

Enterprise scalability, flexibility and simplicity

The Freeset 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 Freeset IP-DECT system can handle 1,000s of IP-DECT Gateways, 10,000s of IP-DECT base stations 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. The combination of IP-DECT, centralized management and d41 or d62 handsets enables software download and parameter settings Over-the-Air (OTA). This gives easy management a whole new meaning — offering administrators substantial benefits in time and efficiency.

Ascom IP-DECT Handset Feature Comparison

	d41	d62 Talker	d62 Messenger	d62 Protector	9d24 Messenger	9d24 Medic, Protector	9d24 EX Messenger	9d24 EX Protector
Color Display		✓	✓	✓				
Vibrate Alert	✓	✓	✓	✓	✓	✓	✓	✓
Loudspeaker	✓	✓	✓	✓	✓	✓	✓	✓
Wired Headset Connector	✓	✓	✓	✓	✓	✓	✓	✓
Bluetooth Interface		✓ ²	✓ ²	✓ ²				
Programmable Soft keys		✓	✓	✓	✓	✓	✓	✓
Local Phonebook	✓	✓	✓	✓	✓	✓	✓	✓
Central Phonebook	✓ ¹	✓	✓	✓	✓	✓	✓	✓
Centralized Management	✓ ¹	✓	✓	✓				
Mini Messaging (12 char.)	✓ ¹	✓	✓	✓				
Professional Messaging			✓	✓	✓	✓	✓	✓
Multifunctional Staff Button		✓	✓					
Push-button Alarm				✓		✓		✓
Man-down/No-movement Alarm						✓ ³		✓
Enhanced Push-to-Talk					✓	✓	✓	✓
24/7 Use		✓	✓	✓	✓	✓	✓	✓
Hazardous Locations							✓	✓

¹ Advanced only. ² Hardware dependant. ³ Additional license.

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

For more information

How can the Freeset IP-DECT system improve efficiency at your facility? To learn more, visit ascomwireless.com or call 877-71ASC0M.



9d24 EX Protector

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