

PRODUCT SHEET

Product:	ASCOM d81
	GAP compatible
	Fully integrated in the Ascom IP-DECT environment
	High levels of robustness and IP65 level water and dust resistance
	Advanced alarm and location finding functionality



ASCOM d81 – PERFORMS WHERE OTHER HANDSETS REACH THEIR LIMITS

‘Pick one up and you’ll know this is no ordinary handset. From its tough, super-protective outer shell to its outstanding levels of functionality and operating safety, the Ascom d81 is the high quality handset demanding users in the most challenging of working environments turn to for operational excellence’.

A high quality expression of tough functionality

Many working environments demand high levels of product endurance and facilitating technology. In these situations, maintaining these standards is a daily challenge and as a result, the need for reliable, robust equipment is a priority. Now there’s a top of the line handset that covers every eventuality – the d81 from Ascom.

Designed to be challenged

The Ascom d81 and its tough characteristics are at home in demanding working environments. One of main reasons behind this is the handset’s tough rubber casing on exposed angles and edges – we say tough in so much as it was dropped from heights of up to 2 metres during testing without failing. Testing also included electro-magnetic compatibility (EMC) testing, during which double the voltage required to obtain these safety certificates was applied. The handset, as well as its built in headset connector and charging and programming connector has IP65 classification, a testament to its ability to resist permeation by dust and water. It also has an extended operating temperature from -10 C to +55 C.

Operationally and commercially superior

The d81 combines high reliability, quality construction and a proven IP-DECT operating platform with high volume and voice quality. It is these outstanding performance and safety features that set the d81 apart from its competitors, allowing users to deliver the quicker response their business or other activities depend on.

WHAT ARE MUSCLES WITHOUT BRAINS?

Centralized Management – the key to super efficient system administration

- Upgrades software without requiring the administrator to collect handsets
- Automatic updates and upgrades when handset is placed in charger. Can be carried out over the air in an IP-DECT environment
- Central configuration of handset settings
- Optimises administration and user efficiency



A better working day is at your fingertips

The technology behind the d81 is fully focused on making a real difference to the user's working day. Even in its base format, the d81 offers unprecedented levels of functionality and superior voice quality. However, we realise that a truly effective system should be as flexible as the tasks it is expected to perform. With this in mind, the d81 features a Bluetooth module for handsfree operation and can be complimented with a series of further licensing alternatives for focused efficiency. Add other practical physical features such as optional coloured front plates that can be used to define areas of use plus a full range of accessories that allow for optimal usage in any number of situations and the d81 becomes the logical choice for users looking for high performance, 24 hours a day.

Individuality meets functionality

It is often the case that some features on a telephone menu are more important to some users than others. On the d81, a fully scalable menu allows individuals to select the items most relevant to their particular working tasks or situation. This has the double benefit of removing unnecessary settings from the menu and reducing the risk of settings being changed in error. It is also particularly appreciated in situations where handsets are shared - by shift workers, for example. Combined with its colour characteristics, bright icons and user-friendly interface, the menu of the d81 is one of the most visually attractive, adaptable and easy to navigate on any handset.

Superior voice and volume performance

The d81's smart, inbuilt, hands-free loudspeaker function and its ability to connect to a comfortable, safe headset come into their own in many working environments. Fully volume adjustable, the 'Talk and Work' freedom it offers means less interruptions and allows the user to keep both hands and full concentration on the job in hand, increasing safety. The inbuilt vibrating function is also practical in high volume environments.

Intuitively smart, impressively sophisticated

Keeping up with calls, messages and always offering the correct, most up to date phonebook information is part of this handset's DNA. Its inbuilt phonebook has the capacity to store up to 750 unique numbers and lists of dialled, answered and missed calls are easily viewed and navigated thanks to logical, coloured icons. Miss a call and the user is automatically notified and can dial the number with the simple push of a key. Furthermore, a Central Phonebook, accessible to all users in the system, means the latest telephone numbers are always at your fingertips.

LEADING THE WAY IN WORKING SAFETY

Intrinsically safe

The d81 is also available in an intrinsically safe variant. In environments where the air may contain high levels of dust or potentially explosive gases, this handset and its optional accompanying Peltor headset can be used in the knowledge it has met strict ATEX and IECEx Directives as well as being awarded a CSA listing for operation at potentially hazardous locations. Furthermore, it also delivers an extended temperature operating range from -10°C to +40°C. The attention to detail we have applied in designing the d81 intrinsically safe variant means that users can be sure they have a handset they can truly rely on, whether they are on an oil platform petrochemical facility, food processing plant or countless other locations where optimal working safety is vital.

At Ascom, operating safety is an issue we treat with the highest priority. Whether this involves risk to personal safety, the safety of colleagues, patients or customers or even valuable equipment, the d81 has been designed to minimise such risks.

Secure and confident, wherever you are

Safety is a subject that can be considered as very job specific. In the case of secure establishments and psychiatric wards, the nature of duties staff must undertake inevitably involves risk. Many other professions such as service technicians and maintenance and security staff often find themselves in isolated or hazardous situations, as do staff in retail outlets or hotels. The d81 can make a major contribution to minimising safety risks, no matter the circumstances.

Advanced alarm functionality

Advanced alarm functions include a manual alarm activated by an easy to find, red coloured push button and an automatic Man Down / No Movement alarm. An alarm activated by a pull cord is also available. The alarm button can also be programmed for other purposes – one touch dialling, for example. This dual functionality lets the user call and send an alarm at the same time. And when alarms occur simultaneously, the d81 together with the IP-DECT system allows for prioritisation of those considered most urgent.

Taking alarm situations a stage further, when they occur it is critical to find the person who has activated the alarm as soon as possible. The d81 includes base station location technology and as an option, accurate beacon location technology. This function allows the person sending the alarm to be pinpointed with extreme accuracy - down to specific rooms in a building if required. The d81's location feature can also find the handsets in closest proximity to any reported event and automatically message these handsets informing them of occurrences. Together, these outstanding features deliver working safety benefits of the highest standards and let staff carry out their duties with the utmost confidence.

Licensing flexibility

Like every other Ascom handset, the d81's functionality can be complimented through the application of a number of additional licenses. For example, should working demands make it necessary, the Messenger license can be updated to a Protector and in the same way, functionality such as Shared Phone, DECT location and Bluetooth barcode can be added.



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Feature	
Advanced Messaging	Maximum message length: 160 characters from handset. Message length to handset is system dependent
Alarm options, built-in	Push Button Alarm, Man-down and No-movement alarm, Pull cord alarm
Bluetooth Headset profile	3 different profiles available adaptable to environmental demand
Call setup	Listen in and PTT function. Groups or individuals can be connected automatically, for example in hostage situations in prisons
Central phonebook	Quick access to centrally updated phone numbers (system dependant)
Centralized management	Includes the administration tool Easy replacement
Colour display	More powerful and distinct GUI for intuitive use
Coloured Messaging	Enables the use of colours to categorise and highlight messages according to importance, source or type
Customisation of menu	Possibility to change display or menus to suite the use of the phone
Downloadable language	18 languages including cyrillic alphabet available + 1 customisable
Dynamic output power	Adapts and minimises the transmitting power depending on distance to base station
Easy replacement	Makes it easy to replace a handset when needed
Enhanced EMC protection	The handset is tested for twice the standard level of static electricity
Intrinsically safe variant	The d81 is available with ATEX, IECEx and CSA listing
IP65 classified	Resists water and dust including the headset connector
LED Indicator	LED on top for visual indication of incoming call, message, normal function and charging
License options	Shared Phone, Pull-cord, DECT location, Alarm (Protector) and Bluetooth Barcode
Location options	Base Station as standard. Available: DECT and LF location
Location features	Alarm location gives position of the person sending the alarm - Poll location localises a handset Special location automatically sends the users location/or alarm when passing certain points
Local phonebook	Frequently used phone numbers are stored. Stores 750 entries. Directly editable in the phone or by WSM
Loudspeaker	Duplex loud speaking function. Extra loudness for use in noisy environments
Message prioritisation	Prioritised messages will always break through even in silent mode or during calls
Temperature endurance	Ranges from -10°C to +55°C
Programmable keys	2 soft and 10 hot keys programmable for easy access to commonly used functions
Vibrator	Discreet notification of incoming calls/messages

Chargers

- Basic desktop charger
- Advanced desktop charger
- Charging rack
- Separate battery pack charger

Accessories

- Leather case
- Swivel type clip
- Spare clip
- Lanyard
- Headset with microphone on boom
- Headset adapter Peltor (TBD)

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