

Isle Systems

Product Guide

2023

Contents

About Isle Systems:.....	3
Key points that differentiate Isle Systems:	3
Lone Working:	4
Who are lone workers?	4
Home Working:	4
What if I am a lone worker, working from home?	4
Features & Capabilities:.....	5
Alert activation methods-	5
Positioning-	5
Man Down Detection-	5
Timed Check-in (TPA)-	6
SOS Emergency Alert-	6
Non-emergency assistance requests.....	6
Responders and Alert Monitoring-.....	7
Crisis Management and Message Broadcasting-	8
Compliance and Usage Monitoring-	8
Triggering External Events -	8
Smartphones as Lone Worker Devices:	9
Compliance and Usage Monitoring-.....	9
Monitoring, Positioning & Alerting.....	10
Aspect Link for Lone Workers & Home Workers	10
Aspect Link for Asset Alarms.....	10
Indoor Positioning	11
Lone Worker Apps & Alarm Devices.....	12
PTT/PoC Two-Way-Radio over Mobile Network	15
Mobile Alarm Management.....	16
Smartphone Access & Device Management.....	16
Smartphone Sharing & Safe Usage.....	17
Call Points, Asset and Fixed Location Alarms.....	18

About Isle Systems:

Isle Systems was founded in 2005 and over the past 18 years have designed, developed, and deployed lone worker systems for many Irish, UK and EU Local authorities, utility, and manufacturing companies. Our dedication and focus on lone worker technology and its everyday use in these organisations has allowed them to maintain their focus on what is important to them without compromising on the health and safety of their workforce.

Our systems are being continuously enhanced to take advantage of new technologies and to address emerging issues for lone workers. This continual enhancement delivers the most reliable and advanced lone worker facilities to its users.

Key points that differentiate Isle Systems:

- Designed, Developed & Supported by Isle Systems
- Lone Worker Apps for iPhone and Android
- Dedicated devices with support for alarm delivery over GSM, 3G, 4G/LTE, 5G & WiFi
- **SOS**/Emergency Alerting with **True Man Down** detection using Angle, Motion and No Motion
- TPA (Timed Personal Alerting) Check-in timers for lone workers
- Integration available for connecting legacy Two-Way-Radio systems to the Aspect Link
- Outdoor positioning using GPS/GNSS
- Indoor positioning using Beacons (No Cabling) and/or WiFi
- Alert audio recording and streaming with automatic two-way communication
- **Delivery of alerts over WiFi, Mobile Data, SMS, and Voice Call.** Will operate even in very poor signal conditions and where mobile data is unavailable
- **Tracking not required.** Location is known if an alert occurs
- **Nationwide “Two-way-Radio”** PTT/PoC over mobile network (Group Communications)
- Vodafone SIM with roaming to other networks providing the best coverage possible
- Broadest range of lone worker devices and apps
- Delivery of alerts directly to responders within seconds
- Web dashboard with audit history and alert management
- Full Alert Management console with multiple responder support
- Common platform for alarms from GSM, 3G, 4G/LTE, 5G, WiFi, Fixed Location
- Interfaces for Process and Asset alarms through the same common platform
- Every user/device/alarm is configurable to have a different group of responders
- All data is stored in **EU Data Centres** on your own servers
- Dedicated servers for each customer/organisation



Lone Working:

Who are lone workers?

"Lone workers are those who work by themselves without close or direct supervision. Anybody that works alone, including contractors, self-employed people and employees, is classed as a lone worker."



With our broad range of devices, apps and features we can offer the best solution to cater for the user's environment, what they are currently carrying, and the risks associated with their daily tasks

- Provide safer working environment for Lone Workers
- Raise an alarm easily with True Man Down detection
- Apps for iOS & Android with SOS & True Man Down
- Dedicated Lone Worker devices with SOS/Man Down
- GPS and Indoor Positioning
- Deliver alarms directly to people who need to know
- Reduce workload and stay compliant

Home Working:

What if I am a lone worker, working from home?

" An employer has the same responsibility for the safety and health of employees who work from home as for any other employees. The employer should accept liability for accident or injury of a homeworker as for any other employee."



While working from home, risks such as illness or injury still apply. We have tailored our iPhone and Android apps to help provide home workers with a simple set of tools to keep them safer. We have also added a WiFi only device for users without a smartphone or limited mobile coverage.

- Easily extend your Duty of Care to Home Workers
- Stay compliant without adding workload
- Simple to use apps and devices
- Web Dashboard for Managers, H&S and Team Leaders
- **Are You Ok?** automated check- shake or tap to confirm
- **Time 4 a Break** notifications ensure breaks are taken
- **Finish 4 The Day** reminders to help prevent fatigue
- Deliver alarms directly to [L](#)from co-workers, friends, family or neighbours
- Dedicated solutions to better protect people working from home



Features & Capabilities:

Alert activation methods-

Lone Workers can use any dedicated lone worker device, mobile or land line phone, smartphone, Windows or Android tablet, fixed location emergency buttons and many other devices and features to activate alerts.

Positioning-

GPS positioning is a standard feature within all devices and apps. Average GPS accuracy is normally less than 10m with sub 5m accuracy common. (Note: GPS accuracy is limited and any GPS that is moving will have its accuracy diminished by the US military. While a GPS is stationary its accuracy over time can be less than 30cm)

Depending on the device chosen or the smartphone used with our lone worker app, different satellite positioning technologies are used. Currently a combination of GPS and Galileo are used in our Smart Atlas devices, and most smartphones available on the market today also use GPS, Galileo and Glonass satellite positioning.

Indoor positioning is available for smartphone users and the Smart Atlas dedicated lone worker devices. Beacons and/or WiFi access points are used to position a user when an alert is activated. Through advanced software and mapping engines within the Aspect Link monitoring system, positioning of a user down to sub 5 meters or room level is possible.

Tracking is not required to provide location of a lone worker alert. All devices and apps update their location internally within the device and only transmit this information in the event of an alert activation. If a GPS position is not available when an alert is activated the last known GPS position will be automatically used. The device and app will also seek to update this position if a GPS fix becomes available while the alert is active.

Man Down Detection-

True Man Down detection is available in all smartphone apps, smart devices and in all but one dedicated device. It is also included in all special purpose devices.

Man Down detection is based on the angle of the wearer and/or movement. Should the wearer of the device be beyond the normal operating angle (normally 30° and configurable) the device will vibrate and/or sound a pre-alarm warning. If no movement is also chosen and the wearer is still moving the pre-alarm warning will be reset and the lone worker will be determined to be okay. The angle of detection, down time, duration of pre-alarm and sensitivity of motion detection is all configurable on a user-by-user basis.



Man Down detection can be enabled or disabled by the user, and it is also possible to allow or prevent a user to turn Man Down detection on/off. This configuration is on a user-by-user basis.

True Man Down differs significantly from what is commonly known as “Fall Detection”. Fall Detection is a low cost and mostly inaccurate method of providing Man Down Detection. It generally requires that a user/device free falls from at least 1m and then suddenly comes to a stop. In the more common event of illness or injury a person generally does not suddenly fall to the ground but passes through stages of decent before finally resting on the ground thus preventing a Fall Detection. True Man Down detects this action

by monitoring the angle of the user/device and whether it is in motion or not. If a user is incapacitated the device will be beyond the threshold angle and a Man Down detection occurs. To enhance this detection, a feature called Motion Reset can also be used to reset the Man Down detection if the device/user is still moving enough while in the Man Down position. This is very useful for users whose duties require them to lie down to perform inspections or other tasks. When a True Man Down Detection event occurs, the user is presented with a warning sound and/or vibration for a period. If the user/device returns to the normal operating position or a Motion Reset occurs the pre-warning sound and/or vibration automatically stops, and an alarm is not sent. Fall Detection devices require interaction with the user because they cannot detect a return to normal condition and can become cumbersome to their users.

Timed Check-in (TPA)-

The Aspect monitoring systems incorporate a feature called Timed Personal Alerting (TPA). This feature allows users to activate Check-in Timers, which if expire, automatically generate an alert.

To activate a TPA timer a user can use basic text messaging from any type of mobile phone or an app for iPhone and Android smartphones. Users can also add information to the timer which could aid responders should an alert be activated. When the timer is started the user will receive a confirmation message stating the start time and the number of minutes the timer will run for. At pre-set intervals, up to 4 reminder messages are presented to the user informing them of how many minutes are remaining on their timer. The user can extend the timer or cancel the timer at any point. If the user fails to stop an active TPA, an alert will be automatically generated when the timer expires.

SOS Emergency Alert-

Smartphone App:

For smartphone users, an on-screen SOS button is directly accessible from the **Atlas SOS** app. This on-screen SOS button must be pressed for 1 second to activate an alert. While pressing this button, vibration feedback is given to the user and the on-screen button changes from green to red. A countdown for 5 seconds is then presented to the user allowing them to stop the alert from triggering.

A wireless Keyfob is available to remotely activate an immediate SOS emergency alert via the smartphone app. This small and discreet device can be carried on a keychain, lanyard, jacket zip or carabina.

The power button on a smartphone can be configured to act as an SOS button. When configured, a sequence of presses within a given timeframe will trigger an alert e.g., 5 presses within 4 seconds. The number of presses and timeframe is configurable.

Non-emergency assistance requests

In cases where it's not an SOS or Man Down emergency but a response or assistance is needed a pre-configured message can be selected and sent automatically to a group of recipients. This message can also include the indoor location of the user and can be automatically displayed on the recipient's phone. This feature is available in all smart lone worker devices and the Atlas SOS app.

Dedicated Smart Devices:

To provide the broadest coverage for users most of our dedicated smart devices support delivery of alerts using 2G, 3G, 4G/LTE and WiFi.

All dedicated smart devices have a dedicated SOS button for immediate activation of an emergency alert. On these devices the duration of the press and the feedback provided (Sound, Vibration) to the user can be configured for different working environments and risk levels.

The smart devices in our range not only act as a dedicated lone worker device but can also be used as a responder device to receive alarms and with the optional Atlas PTT, provide a nationwide two-way-radio solution without the range limits of traditional two-way-radios.

Special Purpose Devices:

A range of special purpose devices with features such as dedicated PTT (Push-to-Talk) button, barcode scanner, programmable keys, ATEX Zone1/21 & Zone2/22 is available to mix with our standard range of devices and apps. All these devices also include a dedicated SOS button that can be configured to send an alert if pressed and held for at least 1 second or pressed and held for at least 3 seconds.

Responders and Alert Monitoring-

Inhouse – Direct to organisations own staff:

Aspect Link monitoring systems deliver alerts directly to nominated personnel. These nominated personnel can receive the alerts directly on their desktop, laptop, tablet, smartphone or featurephone and can be assigned to only receive alerts for specific lone workers or groups of lone workers.

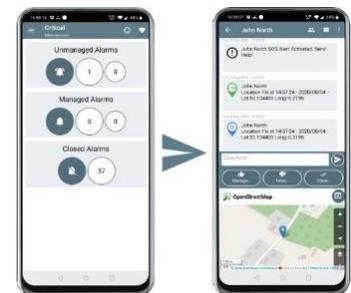
On activation of an alarm the lone worker device automatically provides a listening capability to nominated PC responders. This audio stream is automatically recorded and nominated PC responders can open two-way communication with the lone worker directly.



Having the ability to effectively respond to alarms without being confined to a control room or desk station is critical for most businesses. **Atlas CM** gets your attention to all types of alerts. Alarms from Lone Workers, Critical Systems, Process Alarms, Flood Alarm, Equipment Failure or Anything else are easily managed and responded to using Atlas CM.

With Atlas CM you can route specific alarms to specific responders, producing a focused response by the people who need to know.

Atlas CM delivers persistent Audible, Visual and Vibration notifications. When an alert is received it overrides DND and automatically displays the alarm, making sure that the user is only disturbed when a real emergency occurs.



Atlas CM keeps all alarm recipients informed on the progress of an alert, actions taken and its resolution.

Crisis Management and Message Broadcasting-

Eolas messaging makes it easy for users to action important and emergency messages. Using the WEB portal, Eolas messages are sent to individuals or preconfigured groups and delivered directly to their smartphone screens in seconds.

Messages can be automatically displayed in large text and automatically read aloud to the recipients.

When mustering groups of people or when its crucial, you know your message has been seen and actioned, Eolas messaging delivers this in a simple to use solution.

- WEB Portal to create and manage messages
- Canned pre-set messages from Atlas SOS app
- Message delivery within seconds
- Automatically display emergency messages
- Pulsing of camera flashlight
- Automatically read emergency messages aloud
- Large text format to read from a distance
- Single tap to acknowledge
- SMS message fallback for resilience



Compliance and Usage Monitoring-

A management and reporting web-based portal (Dashboard) is included in Aspect Link and from this, active and historical detailed reports can be created.

Depending on the user's credentials, access to specific information can be restricted.



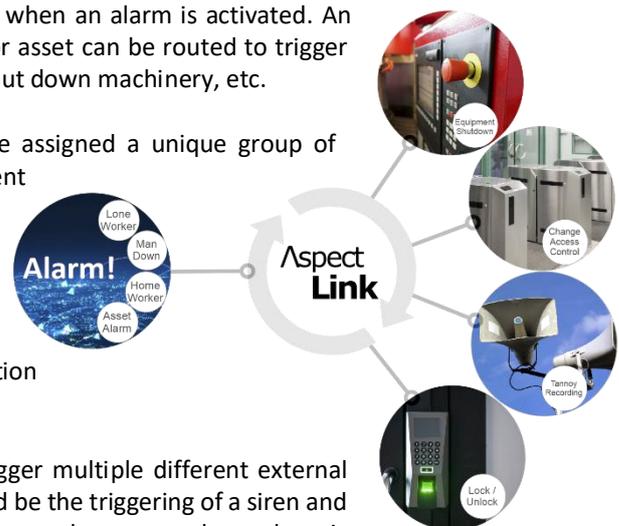
Triggering External Events -

Aspect Link supports the triggering of external events when an alarm is activated. An alarm from a lone worker, home worker, man down or asset can be routed to trigger external events such as a siren, lock or unlock doors, shut down machinery, etc.

Every user or asset registered on Aspect Link can be assigned a unique group of responders and external events. This enables different responders to be notified and different external events to occur when a user or asset triggers an alarm.

Users with Active Location enabled can trigger external events based on their location. Active Location uses GNSS when outdoors and/or WiFi/Beacon location when the user is indoors.

A single alarm activation from a user or asset can trigger multiple different external events to occur automatically. An example of this would be the triggering of a siren and emergency shutdown of plant equipment in a specific area when a man down alarm is activated.



Smartphones as Lone Worker Devices:

The Atlas SOS app provides users of Android and iPhone smartphones with both SOS and Man Down alarm activation. SOS/Emergency facilities can be easily accessed from an on-screen button, power button press sequence, dedicated SOS button on Ecom/Sonim, MX1e and MX3 rugged smartphones and via an external SOS button/Keyfob such as Atlas SOS+. Positioning of a lone worker is via GPS and/or WiFi* & Beacon giving both outdoor and indoor location services. Alarms can be delivered via 2G, GPRS, 3G, 4G, 5G and/or WiFi giving users the best available coverage.

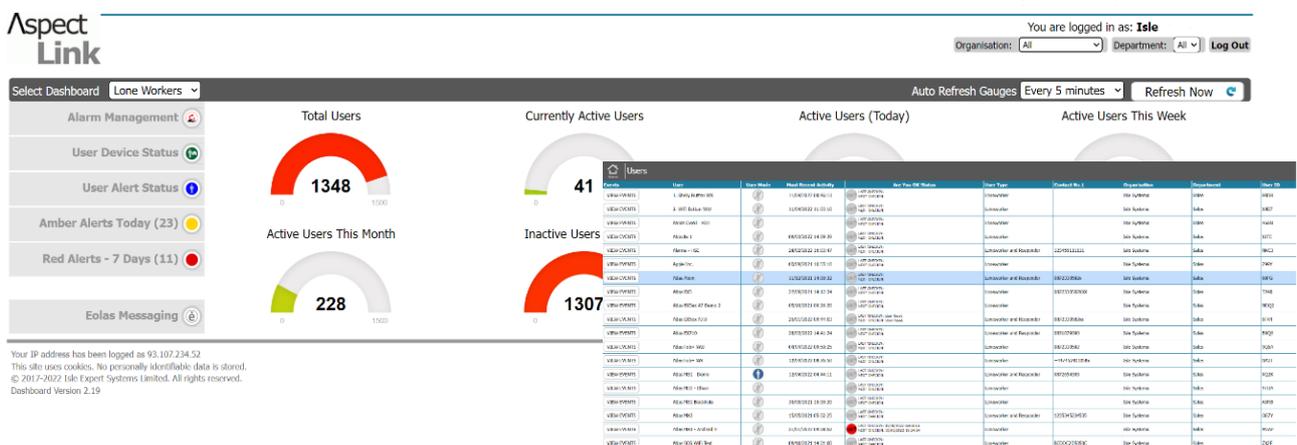
Atlas TPA for smartphones simplifies the process of starting a TPA (Timed Personal Alert) check-in timer and managing timer reminders. When the timer is started the user will receive a confirmation message stating the start time and the number of minutes the timer will run for. At pre-set intervals, up to 4 reminder messages or notifications within the app are given to the user. Users can extend the timer or cancel the timer at any point. If the user fails to stop the active TPA an alert will be automatically generated once the timer expires. When a TPA is activated it is running on the monitoring server which is completely independent of the users' phone. This ensures that an alert is generated even if the user has no mobile phone coverage.

Timed Personal Alert (TPA) timers can also be activated using standard SMS text messaging from any type of mobile phone including old feature/dumb phones.

Compliance and Usage Monitoring-

A management and reporting web-based portal (Dashboard) is included in Aspect Link and from this, active and historical detailed reports can be created.

- Currently Active lone workers.
- Active lone workers on a given day or date range.
- Inactive lone workers on a given day or date range.
- Historical check-in timers.
- Historical alert activations.
- Audit history for each alert activation with response times and active responder(s).
- Managing and responding to alerts.
- Lone worker smartphone and hardware device status.
- Quick view of alert status for all lone workers.
- Downloadable data in Excel format



Monitoring, Positioning & Alerting

Aspect Link

Aspect Link connects alarms to the people who need to know. Aspect Link is a fully automated monitoring and alerting system for lone workers, critical systems, process alarms and all types of assets.

Alarms from lone workers, critical systems, process alarms or assets can be delivered to Aspect Link by SMS, Voice call, GPRS/3G/4G, Wi-Fi, Two-way radio, Contact switch, email or over a LAN/WAN IP connection.

Alarms received are automatically processed by Aspect Link in seconds. This enables Aspect Link to process multiple alarms simultaneously and deliver these alerts based on a simple set of rules directly to responders' desktops, laptops, tablets and phones.

Advanced mapping solutions are also available when using PlacePoint and CampusPoint plug-ins. These utilise internet street mapping services, off the shelf mapping software or customer specific Site drawings, aerial photographs, digital maps, or any other reference images. Maps are accessible using PC's or any smartphone with internet access.

Aspect Link caters for any number of users/assets from 2 to 10,000 and easily adapts as the requirements change. Systems can start small and grow to include the latest technology without user disruption.

Aspect Link is a platform that can change and adapt to your needs. With constant innovation, Aspect Link provides access to the latest technology to ensure its readiness to cater for its user's needs.

Aspect Link for Lone Workers & Home Workers

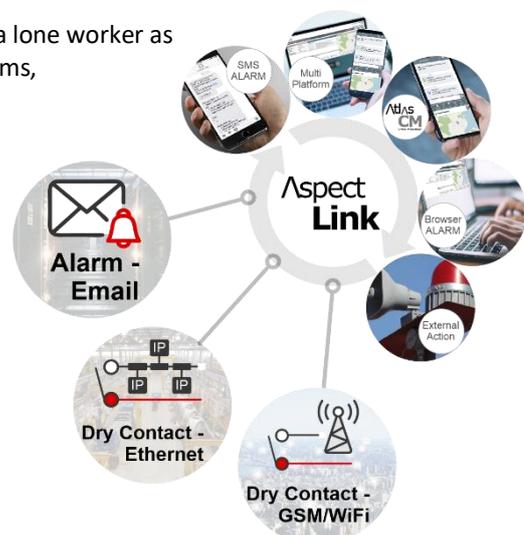
- Automated Alarm Processing delivers the fastest response possible
- Support for all lone worker devices & phones
- Check-in Timers with SMS text reminders
- GPS and Indoor positioning using WiFi or Beacon
- Street & Site Mapping
- Responder to Lone Worker live audio link
- Site or Cloud Based Systems
- Up to 10,000 Users
- Record alert audio calls
- Trigger external events on alarm activation
- Web management dashboard



Aspect Link for Asset Alarms

Aspect Link considers any alarm that does not originate from a lone worker as an Asset Alarm. These could be from Process Alarms, Gas Alarms, Intruder/Fire Alarms, Equipment or Building Alarms.

- Automated Alarm Processing delivers a faster response
- Support for 1000's of assets
- Multiple interface options
 - Dry Contact - LAN/WAN, eMail, GSM/3G, MQTT
- Common response platform
- Route alarms directly to the correct responders
- Separate responders for each alarm
- Know when a responder has taken action
- Progress updates to all responders
- Trigger external events on alarm activation
- Site or Cloud Based Systems
- Web management dashboard



Indoor Positioning

Aspect Beacon

The Aspect Beacon is a battery powered beacon transmitter used for indoor positioning. Available in 3 versions, standard, Tough and ATEX. The standard beacon is designed for indoor use whereas the Tough version is water resistant, shatter resistant, anti-static and is best suited to outdoor use or other harsh environments. The ATEX version is designed for use in environments where ATEX certified equipment is only allowed. All versions have replaceable batteries and last up to 3 years from a single battery.

- **Bluetooth Low Energy wireless 2.4GHz RF**
- Adjustable transmission power
Aids in defining maximum range of transmitter between 3m and 50m LOS
- 1 x 1000mAh CR2477 Battery
- Temperature range : -20°C - + 60°C
- IP-57 (dust protected and for up to 1m water immersion)
Colours : White or Black (Custom Option)



Standard Beacon
40 x 16



Tough Beacon
35 x 58w x 94d

The mapping components in the Aspect Link utilise multiple positioning methods for locating a lone worker. Integrated with the lone working app on the smartphones is the ability to use GPS positioning when the user is outdoors and Beacon and/or WiFi access points positioning when the user is indoors.

After the system installation is completed, adding additional **aspect Beacons** or WiFi access points to the system is a simple process and can be completed easily. This enables the expansion of the indoor positioning system with minimal cost.

Increasing the number of beacons will give greater accuracy. Tracking is not needed to locate a lone worker when they activate an alert. Our lone worker app automatically updates its positioning information internally* and stores this for delivery to the Aspect Link monitoring system if an alert is activated. This also removes the need for a data connection to be available to the Android smartphone. Because of restrictions in the iPhone operating system a data connection is required on these devices.



Lone Worker Apps & Alarm Devices

Atlas SOS



Lone Worker Protection from any Smartphone user

Excellent for all types of Lone Workers who always carry a smartphone

- App for iPhone and Android (Samsung, Sony, OnePlus, etc.)
- On-screen SOS button & Power Button Press sequence activation*
- True Man Down Detection with pre-warning alarm
- GPS/GNSS and Indoor Positioning without tracking
- TPA Timed Check-in with GPS/GNSS positioning
- Simple and easy to use

Atlas SOSi



Keyfob button for remote SOS activation

Excellent for all Lone Workers who need discreet activation or may not be able to access their smartphone in an emergency.

- Accessory for Android & iPhone smartphones
- Wireless Keyfob
- Press button to remotely trigger alert from the users' smartphone
- Vibration feedback
- Simple and discreet activation of an alert
- IP68 Water Resistant
- Rechargeable battery – Up to 3 months from a single charge

Atlas S10



Dedicated device for all types of Lone Workers

Excellent for all Lone Workers who don't have a smartphone or to share between many lone workers. Excellent coverage for users in challenging signal areas or rural locations.

- Smart micro device with a dedicated SOS button
- True Man Down Detection with pre-warning alarm
- GPS/GNSS and Indoor Positioning without tracking
- Extensive coverage using 2G, 3G, 4G/LTE & WiFi
- TPA Timed Check-in with GPS/GNSS positioning
- Optional Nationwide PTT "Two-Way-Radio" communication
- Desk Charger and Holster available
- 130g / 108 mm x 53 mm x 17 mm (w/o belt clip) – IP64

Atlas Protector+



Dedicated device for all types of Lone Workers

Excellent for all Lone Workers who don't have a smartphone or to share between many lone workers. Widest coverage for users in challenging signal areas or rural locations.

- Large dedicated SOS button
- True Man Down Detection with pre-warning alarm
- GPS/GNSS positioning without tracking
- Very Loud Speaker with Auto Answer in Hands Free mode
- Good coverage using 2G & 3G
- 90g / 102 mm x 49 mm x 20 mm (w/o belt clip) – IP67
- Docking station available & ATEX option

Atlas Click2



Dedicated device for all types of Lone Workers

Excellent for all Lone Workers who don't have a smartphone or to share between many lone workers. Widest coverage for users in challenging signal areas or rural locations.

- Large dedicated SOS button
- Rip-cord option to trigger SOS
- True Man Down Detection with pre-warning alarm
- Optional GPS/GNSS positioning without tracking
- Loud Speaker with Auto Answer in Hands Free mode
- Good coverage using 2G, 3G & 4G
- 50g (w/o belt clip) – IP67
- Keyfob, Lanyard, Wrist Strap or Belt Clip
- Docking station available

Atlas Fob+



Small, lightweight & easy to use SOS button for Lone Workers

Atlas Fob is a simple emergency button with GPS positioning and 2-way voice communications.

- Dedicated physical SOS button with vibration feedback
- True Man Down Detection with pre-warning alarm
- Alert delivery over 2G, 3G & 4G
- Loud Speaker with Auto Answer in Hands Free mode
- Multiday battery
- Light weight: 46g
- Desk charging cradle
- Keyfob, Lanyard, Wrist Strap or Belt Clip

Atlas WiFi



Dedicated device for Healthcare or Lone Workers who work indoors

Designed for users who are working from home, late in the office, factory floor, hospital, or care homes. No SIM card or phone required, only needs WiFi.

- Dedicated physical SOS button
- Small, light, and easy to use
- Up to 3-months from rechargeable battery
- 45mm x 45mm x 16mm
- Keyfob or Lanyard or fixed location

Atlas Ex710



ATEX Smartphone with SOS/PTT button

Atlas Ex710 is an ATEX Certified Smartphone for ATEX Zone 1 or Zone 2 areas. A rugged, unlocked, LTE / WiFi / Android™ smartphone, comes with features such as a touch screen that can be viewed in direct sunlight and an extremely loud speaker, noise cancellation, a powerful battery, water and drop resistance.

- Rugged Smartphone
- Dedicated SOS button with emergency activation
- True Man Down Detection with pre-warning alarm
- GPS/GNSS and Indoor Positioning without tracking
- Optional Nationwide PTT “Two-Way-Radio” communication
- Extensive coverage using 2G, 3G, 4G/LTE & WiFi
- TPA Timed Check-in with GPS/GNSS positioning
- 6.3” Display, 310g, IP68

Atlas BX5



Rugged Smartphone with Barcode Scanner, SOS, and PTT buttons

A truly multi-functional smartphone featuring a 2D barcode scanner, full lone worker functionality and optional PTT/PoC Two-Way-Radio (Walkie-Talkie) functions but without the range limits of legacy devices.

- Smartphone with Barcode scanner, SOS, and PTT buttons
- True Man Down Detection with pre-warning alarm
- GPS/GNSS and Indoor Positioning without tracking
- Optional Nationwide PTT “Two-Way-Radio” communication
- Extensive coverage using 2G, 3G, 4G/LTE & WiFi
- TPA Timed Check-in with GPS/GNSS positioning
- 5” Display, 290g, IP68, ATEX option

Atlas P24



Smart and rugged Lone Worker device with PTT and very loud speaker

Excellent for Lone Workers who also need Two-Way-Radio type communication or may work in noisy environments. All the lone worker features of other devices with the option for PTT which give the same facilities as traditional Two-Way-Radios (Walkie-Talkie) but without the range limits.

- Smart device with a dedicated SOS and PTT buttons
- True Man Down Detection with pre-warning alarm
- GPS/GNSS and Indoor Positioning without tracking
- 2W Speaker & M6 connector for external accessories
- Optional Nationwide PTT “Two-Way-Radio” communication
- Extensive coverage using 2G, 3G, 4G/LTE & WiFi
- TPA Timed Check-in with GPS/GNSS positioning
- 2.4” Display, 260g, IP68, Replaceable Belt Clip

PTT/PoC Two-Way-Radio over Mobile Network

Atlas PTT

Atlas PTT delivers reliable, instant Push-to-Talk over Cellular (PoC) communications for all organisations. With crystal clear audio and near instant connectivity, Atlas PTT connects your teams seamlessly over all mobile data networks or WiFi.

Gone are the range limits of traditional two-way-radio systems. Atlas PTT connects teams of people over any distance using 2G*, 3G, 4G/LTE, 5G or WiFi. Gone is the need to carry a dedicated device to stay connected. Install the Atlas PTT app on smartphones, smart devices, and rugged handsets, and communicate with 100's of users simultaneously with the push of a button.

Atlas PTT is deployed as a dedicated solution with dedicated channels for all teams. Gone is the need to share a service with 100's or 1000's of other users. Atlas PTT's versatility enables it to be deployed in the cloud or on a dedicated server inside the users' network, enabling it to run on private mobile networks, private WiFi, public mobile networks, public WiFi, or any combination of these.



Tailor each user's setup giving them access to as many or as few teams/channels as they need and all from a central user manager. App setup takes only a minute or two with all user settings automatically delivered over-the-air.

- | | |
|---|--|
| <ul style="list-style-type: none"> ○ Secure connectivity with encrypted access ○ Crystal clear audio with noise cancellation & echo control ○ Independent audio level control - override phone volume ○ Fast call connectivity – sub 500ms ○ Overrides DND phone settings ○ Up to 256 dedicated Teams/Channels ○ Up to 256 users per Team/Channel ○ High Priority Channels with force connect ○ Channel Activity Listening (CAL) <ul style="list-style-type: none"> - listen to multiple teams/channels ○ Per Team/Channel active audio recording ○ Address Book with activity status ○ Active talker presentation ○ PTT/PoC for Smartphones | <ul style="list-style-type: none"> ○ WEB centralised management of all users ○ Per user access to teams/channels ○ Dedicated Cloud or Site server |
|---|--|



- Use physical PTT buttons on a range of devices
- Use volume button as PTT button
- Integration with physical channel buttons*
- Use any Bluetooth or wired audio headset
- Integration for remote speaker mic's

Mobile Alarm Management

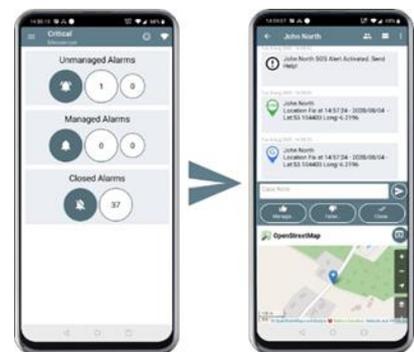
Atlas CM

Atlas CM delivers reliable messaging for smartphones without delay or confusion with other messaging platforms. It is intended for use in environments where it is critical that responders receive messages quickly and attracts their attention through visual and audible cues.

Atlas CM integrates with Aspect Link alarm management system to deliver reliable communication between users, assets, and responders. When alarms are activated, Atlas CM automatically displays in the foreground, attracting responder's attention through a persistent alarm sound, vibration, and visual cues. When a responder reacts to the alarm the persistent notification sound stops for all other associated responders. All actions taken throughout the active alarm are automatically communicated to all responders seamlessly.

Atlas CM app operates over any data connection, GPRS, 3G, 4G/LTE, 5G and WiFi and monitors its connection every few seconds. If a data connection is not available Atlas CM automatically reverts to using SMS. Seamless operation is maintained even in challenging environments.

- Critical Messaging for Android devices
- Receive alerts directly. Respond in seconds
- Keep all responders informed on progress
- Deploy responders based on alarm type/level
- Manage all alarms on a common platform
- Persistent audio notification with vibration and visual cues
- Split-Screen shows Maps or Asset details and Alarm information
- DND override ensures alarms won't be missed
- Operates over GPRS, 3G, 4G/LTE, 5G & WiFi data
- Seamless fall-back to SMS if data is unavailable
- User selectable notification sounds
- Scheduled automatic logon
- Multi language support



Smartphone Access & Device Management

Atlas Home

Atlas Home is a new Launcher/Home screen for Android Smartphones. It simplifies the home screen and prevents users from accessing specific apps or smartphone features. This simplification focuses the user and provides a consistent operational layout.

Installation or usage of unauthorised apps is prevented and access to the phones settings is also prevented. Permitted apps are defined by a central administrator and pushed to handsets allowing easier rollouts and field updates. Only apps that are permitted are presented to the user.

- Simplify smartphone use
- Protect against unauthorised apps
- Block access to device settings
- Centralised management



Smartphone Sharing & Safe Usage

Atlas hello

Atlas hello is a unique solution to common problems when sharing smartphones or just keeping an organisation's address books up to date. Atlas hello simplifies dynamic sharing of contact numbers as user's logon/logoff, can restrict outbound and inbound calls and keeps people and critical systems communicating.

Users of Atlas hello are provided with easy access to contact numbers for their colleagues even if their colleague's phone number changes hourly or daily when sharing devices. Inbuilt messaging is also provided and this travels with the user as they logon to different devices.

To increase the safety of its users, Atlas hello can also be configured to disable the use of the smartphone if it is travelling faster than 10km/h. This prevents calls from being made or received or any use of the phone while the user is driving.

Atlas hello can operate as an independent application or integrate fully into the suite of Aspect Link monitoring and alerting systems. This integration facilitates routing of alerts to responder's phones and delivery of lone worker user information should they activate an alert.

- Share Smartphones Easily
- Enterprise-wide Address Book
- Enterprise Portable Messaging
- Dynamically Update Contacts
- Restricted calling (Whitelisting)
- On-Line/Off-Line Visibility
- Fully Integrated with Aspect Link
- Rerouting of SMS Alerts
- Speed detection with usage prevention
- Encrypted Connections
- Reduce Infrastructure Cost
- Global Operation



Call Points, Asset and Fixed Location Alarms

Atlas CallPoint



Fixed Location Help & Assistance

Atlas CallPoint is a Help/Assistance alerting system. CallPoint is designed to run on a Tablet or Phone and provide users with an easy way to raise an alarm via the Aspect Link system.

Users simply press the on-screen help button and nominated personnel are notified on their mobile phone or PC screen. Status updates and feedback is given to users and responders can communicate more information if needed.

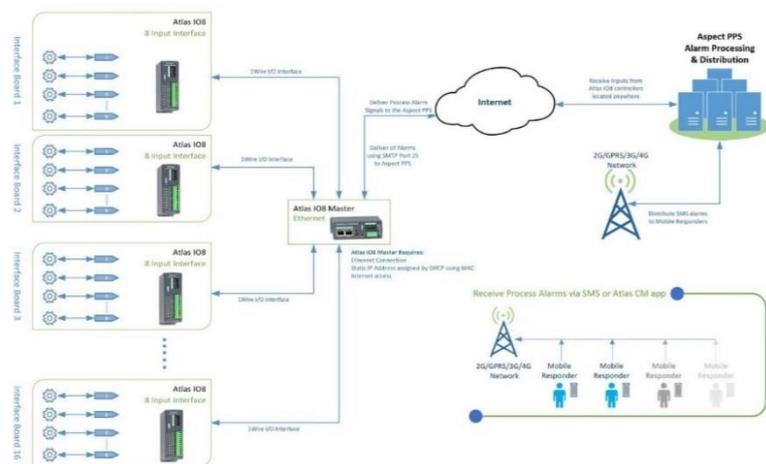
Because CallPoint doesn't rely on fixed wiring, it can be installed anywhere there is power, even battery power, and provide reliable alerting facilities over WiFi, GPRS, 3G, 4G or any other IP connection.

- Help/Assistance alerting system
- Place Tablets/Phones where needed
- Operates over GPRS, 3G, 4G, 5G & WiFi
- Simple on-screen button press with feedback
- On-screen feedback from responder to user
- No training needed. Designed for public use
- No wiring needed. Just a power socket.
- Automatically disables if no responders available
- Integrates with Atlas CM

Atlas IO8

Atlas IO8 interface board is designed to simplify the interfacing of external devices to the Aspect Link. On activation of one of the 8-64 inputs, an alert is raised in Aspect Link which is processed and routed to responder's PC, Laptops, Tablets, or smartphones.

Atlas IO8 is fully integrated with Aspect Link and Atlas CM to provide effective alarm management across multiple platforms.



Atlas WiFi



Dedicated device for Healthcare or Lone Workers who work indoors

Designed for users who are working from home, late in the office, factory floor, hospital or care homes. No SIM card or phone required, only needs WiFi.

- Dedicated physical SOS button
- Small, light, and easy to use
- Up to 3-month from rechargeable battery
- 45mm x 45mm x 16mm
- Keyfob or Lanyard or fixed location