

Atlas DM180

Compact, Reliable Protection. The Atlas DM180 is a sophisticated micro-device designed to provide comprehensive safety features in a compact, lightweight form factor. Weighing only ~73g, it offers an unobtrusive security solution for professionals, backed by robust 2G, 3G, 4G, and WiFi connectivity for consistent coverage across diverse environments.

Advanced Safety & User Down Detection. The DM180 is engineered to distinguish between routine movement and genuine emergencies, ensuring help is summoned only when necessary.

- **Intelligent Detection:** Features "True User Down" technology using a combination of motion and angle sensors. To prevent accidental activations, the device provides pre-warning vibrations and sounds before an alert is sent.
- **Emergency SOS:** A dedicated physical side button allows for immediate manual alerts.
- **Timed Personal Alerts (TPA):** Users can activate check-in timers for high-risk tasks. If a timer expires, an alert is automatically generated even if there is no mobile or WiFi signal.

Precision Locating

Reliable positioning is critical for effective response. The DM180 utilises:

- **Outdoor:** Integrated GPS/GNSS for precise coordinates.
- **Indoor:** A combination of Beacon and/or WiFi positioning to locate users within structures where GPS signals may be limited or unavailable.

Critical Communication Protocols

LinkStream Audio™ Developed by Isle Systems, this specialised audio streaming protocol is designed for emergency response. Upon an alert, LinkStream Audio™ automatically establishes a live, hands-free voice link. This ensures immediate two-way communication between the lone worker and responders without the need for manual device interaction.

Atlas CM & PTT Integration The device can be further enhanced with the Atlas PTT app, utilising a physical button for Push-to-Talk communication. Furthermore, when integrated with Atlas CM, the DM180 functions as a dedicated responder device, ensuring critical alerts are prioritised and delivered with clarity and speed to responders.

Overview

- **Dedicated SOS button & True User Down detection**
- **GPS/GNSS & Indoor positioning**
- **Delivery of alerts using Data & SMS**
- **USB Type-C charging**
- **2G, 3G, 4G/LTE & WiFi 802.11 a/b/g**
- **Global Mobile Network Band support**
- **Belt Clip or Lanyard**
- **IP 54 splash resistance**
- **2.5" Touch Screen Display & Speaker**
- **~73g : (65 x 57 x 14 mm) (w/o clip)**
- **Up to 60 hours battery life**

Lone Worker



Responder



PTT/PoC



SOS BUTTON



MAN DOWN



RESPONDER



EMERGENCY COMMUNICATIONS



PTT/PoC



EXTENSIVE COVERAGE



WiFi/BEACON



GPS/SATELLITE



STATUS REPORTING

Main Specifications

Product Description	Atlas DM180
Product Type	Compact Smart Lone worker device
Display	2.5" IPS, 480 x 480 pixels
Form Factor	Super lightweight
SIM Card Slot Qty	Single Nano SIM
Wireless Interface	Wi-Fi
Messaging Services	Atlas CM - Critical Messaging option Atlas PTT - Group communication option
Protection	IP54
Dimensions (HxWxD)	65 x 57 x 14 mm
Positioning	Outdoor GPS & Indoor Beacon with Triangulation
Weight	~73g
Charging	Type-C USB

Communications

GSM:	GSM 850/900/1800/1900MHz
WCDMA :	WCDMA 850/900/1900/2100MHz
FDD LTE:	B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28/B66
TDD-LTE:	B38/B39/B40/B41
Network:	GSM/GPRS/EDGE, TD-SCDMA, WCDMA, TDD-LTE, FDD-LTE
Wireless Interface	IEEE 802.11b/g/n 2.4GHz/5GHz

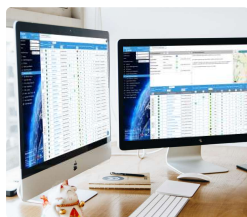
Battery

Technology	Lithium polymer
Capacity	1000 mAh

Connections

Data Connector Type	Type-C USB
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Status Reporting



- Lone Working On/Off (Time stamped)
- Home Working On/Off (Time stamped)
- Man Down On/Off (Time stamped)
- Charging status
- Battery level
- Mobile/Cell signal level
- WiFi signal level
- System version
- Outdoor Location with enhanced control for user acceptance
- Indoor Location with enhanced control for user acceptance

Environmental Parameters

Operating Temp.	-10°C min / +50°C max non condensing
Durability	IP54

Options

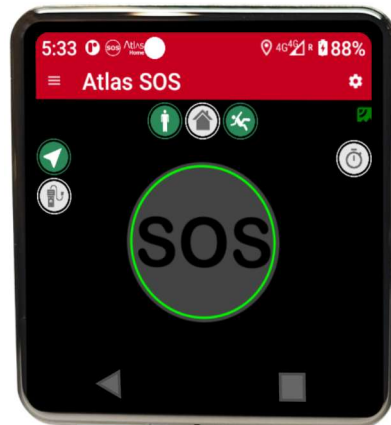


Atlas PTT



Atlas CM

Lone Working in Action



Man Down Detected



Normal Operation