

The Atlas SmartEX are rugged, IP68, 2G/3G/LTE-4G/WiFi Android 9 smartphone with a 5" screen, **dedicated SOS button** and PTT/PoC button. The Atlas SmartEX is available as an Zone 2/22 or Zone 1/21 device for use in ATEX classified areas.

This versatile device provides a **smartphone** and **lone worker protection** with a large clear 5" screen and physical Home and Function buttons. With its extra loud speaker it is also at home in noisy environments.

**True Man Down detection** with pre-warnings through vibration and sound is also included. Detection is based on the angle of the device combined with motion, motion only or angle only. This flexibility helps prevent accidental activation and allows for easy integration into a users common work practice.

**TPA (Time Personal Alert)** check-in feature allows users to activate timers, which if expire, automatically generate an alert. Users can add notes and a GPS location to a TPA which will be provided automatically to responders if the TPA expires. User can easily set the expiry time or use the quick set buttons for 15, 30, 60 and 120 minutes. Timers can also be extended or restarted easily. Up to 4 local reminders are provided and up to 4 reminder SMS messages can also be delivered by the Aspect Link system.

For users working outdoors the integrated **GPS** provides accurate location in the event of an alert and for users working indoors a combination of **WiFi and Beacon positioning** is also included.

To provide the most reliable alarm and PTT activation facilities this combination of rugged smartphone and lone worker app uses Mobile Data, WiFi Data, SMS Messaging and Voice Calls to ensure it gets through.

PTT/PoC can be easily added by using the Atlas PTT app. With a physical or on-screen PTT button and a loud and clear speaker this device provides an effective communications solution.

## Rugged Smartphone



## Lone Worker



## PTT/PoC



## Accessories



POUCH



CRADLE



HOLSTER



DESK CHARGER



BELT CLIP  
POUCH/CRADLE/HOLSTER



RETRACTABLE  
LANYARD



SOS BUTTON



MAN DOWN



MOTION  
DETECTION



EMERGENCY  
CALL BACK



PTT/PoC



WiFi/BEACON



GPS/SATELLITE



SIGNAL  
MONITORING



STATUS  
REPORTING



TIMED  
CHECK-IN

## Main Specifications

Display	5" IPS 1280*720
Features	Front & Rear-facing cameras
Processor	Qualcomm Snapdragon 450 platform
Memory	32GB ROM - RAM 3 GB + microSDHC slot - up to 128 GB
Operating System	Android 9.0
Rear Camera	12 Megapixel
Form Factor	Rugged
SIM Card Slot Qty	Single SIM
Wireless Interface	Wi-Fi
Messaging Services	SMS, Optional Critical Messaging & Atlas Hello
Protection	Shockproof, dustproof, waterproof IP68
Dimensions (HxWxD)	163 mm x 82 mm x 22mm
Positioning	Integrated GPS
Weight	380g

## Communications

WCDMA :	B1/B2/B5/B8
LTE:	FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 TDD: B38, B39, B40, B41
Network:	GSM/GPRS/EDGE, CDMA, TDD-LTE, FDD-LTE
Wireless Interface	802.11 a/b/g/n/ac/e/k/r/h NFC

## Processor

Type	Qualcomm Snapdragon 450
Processor Core Qty	Octa-core
64-bit Architecture	Yes

## ATEX

Rating	Zone1/21	II 2G Ex ib op is IIC T4 Gb IP64 II 2D Ex ib op is IIIC T120°C Db
	Zone 2/22	II 3G Ex ic op is IIC T4 Gc IP64 II 3D Ex ic op is IIIC T120°C Dc

## Rear Camera

Sensor Resolution	12 Megapixel
Focus Adjustment	Automatic
Light Source	Flash
Video Resolutions	1280 x 720 (720p) at 30 fps

## Environmental Parameters

Operating Temp.	-20°C min / +60°C max non condensing
Durability	IP68

## Lone Working in Action



Man Down Detected

Normal Operation

Man Down Detected