

Atlas BX5

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The **Atlas BX5** and **BX5ex** are rugged, IP67, 2G/3G/LTE-4G/WiFi Android smartphones with a 5" screen, configurable SOS button, PTT/PoC button and integrated 2D Barcode scanner. The Atlas BX5 is also available as an ATEX device for use in ATEX classified areas. This versatile device provides a **smartphone, lone worker protection, barcode reader** and optional **PTT/PoC** communications with a large 5" display and physical Home, Function 1 and Function 2 buttons. With its extra loud speaker it is also at home in noisy environments.

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.

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 1W speaker this device provides an effective communications solution.

The inclusion of a 2D barcode reader provides additional versatility for user in logistics, store management, stock control, asset management and more. The reader is included as standard in both versions of the device but can be removed if required.

Four function (2 side and 2 front) buttons are available and can be configured as PTT, SOS, Scan Barcode or a selection of other functions. Integration with other apps is also possible.

Rugged Smartphone



Lone Worker



PTT/PoC



SOS BUTTON



MAN DOWN



MOTION
DETECTION



EMERGENCY
CALL BACK



PTT/PoC



WiFi/BEACON



GPS/SATELLITE



SIGNAL
MONITORING



STATUS
REPORTING



BARCODE
READER

Main Specifications

Product Description	BX5 - 4G LTE - 16GB - smartphone
Product Type	Smartphone with 2D Barcode Scanner
Display	5" IPS 1280*720Display
Features	Front & Rear-facing cameras
Processor	MediaTek MT6753 (Octa-core) - 64-bit
Memory	16 GB ROM - RAM 2 GB + microSDHC slot - up to 32 GB
Operating System	Android 7.0
Rear Camera	8 Megapixel
Form Factor	Rugged
SIM Card Slot Qty	Dual SIM
Wireless Interface	Wi-Fi
Messaging Services	SMS, Optional Critical Messaging & Atlas Hello
Protection	Shockproof, dustproof, waterproof IP67
Dimensions (HxWxD)	165 mm x 76 mm x 16 mm
Positioning	Integrated GPS
Weight	255g

Lone Working in Action



Communications

WCDMA :	B1/B2/B5/B8
LTE:	B1/3/7/20 - B38/B39/B40/B41
Network:	GSM/GPRS/EDGE, CDMA, WCDMA, TDD-LTE, FDD-LTE

Wireless Interface	IEEE 802.11b/g/n
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Processor

Type	MediaTek MT6753
Processor Core Qty	Octa-core
64-bit Architecture	Yes

ATEX Version (Atlas BX5ex)

Standards	EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-31:2014
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Rating	II 2 G Ex ib IIC T3 Gb II 2 D Ex tb III T3 Db
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Rear Camera

Sensor Resolution	8 Megapixel
Focus Adjustment	Automatic
Light Source	Flash
Video Resolutions	1280 x 720 (720p) at 30 fps

Environmental Parameters

Operating Temp.	-20°C min / +50°C max non condensing
Durability	IP67 / MIL-STND-810G

Barcode

2D Scanner	UPC/EAN, Bookland EAN ,UCC Coupon Code,ISSN EAN, Code 128,GS1-128,ISBT 128,Code 39,Trioptic Code 39 , Code 32,Code 93,Code 11,PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode
	Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc.



Atlas BX5 and BX5ex with Atlas Home

Atlas Home protects the BX5 from unwanted app installations or changes to system settings.

