ecom
MOBILE SAFETY

Intrinsically Safe Smartphone **Smart-Ex® 01**

DELIVERING MOBILITY

IN HAZARDOUS AREAS

Smart-Ex® 01

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THE LATEST INNOVATIVE PRODUCT IN ECOM'S MOBILE COMMUNICATION RANGE

RANGE OF FUNCTIONS

- 4G/LTE cellular network connectivity
- Android™ 4.4 (Kitkat) - Latest Android operating system
- 4.0" capacitive multi-touch screen made of extreme shock and scratch resistant Gorilla Glass® 2
- Glove Touch Screen
- High Visibility Display in Direct Sunlight
- 8MP rear camera with auto focus and LED flash with torchlight function and 1MP front camera (optional)
- 3600 mAh Li-Ion battery pack
- Bluetooth® 4.0 incl. BLE (Bluetooth Low Energy) BLE (30 times faster, 1/100th of power)
- WiFi 802.11 a/b/g/n
- Magnetic and waterproof USB 2.0 High Speed connector
- IP68 - Dust proof, water proof
- Push-to-talk (App solution)
- Lone Worker Protection (App solution)
- Optional Service Level Agreement (SLA)

EXPERIENCE THE SMART-EX® 01 SMARTPHONE

CERTIFICATION

ATEX	II 2 G Ex ib IIC T4 Gb IP64 II 2 D Ex ib IIIC T135°C Db IP6X
IECEx	Ex ib IIC T4 Gb IP64 Ex ib IIIC T135°C Db IP6X
NEC & CEC	Class I, Division 1, Groups A-D T4 Class II & III, Div. 1, Groups E-G T4

SERVICE LEVEL AGREEMENT (OPTIONAL)

The optional SLA, offering a full 3 year warranty for all new ecom mobile phones, gives you Total Cost of Ownership certainty - demonstrating our commitment in terms of product quality and reliability.

Under this SLA, ecom guarantees free repairs, including all spare and worn parts (except batteries) with a five-day turnaround.

Smart-Ex® 01

ANDROID™ 4.4 (KIT KAT®) - LATEST ANDROID OPERATING SYSTEM

ANDROID™ 4.4 enables this intrinsically safe device to be used in hazardous areas without any compromises compared to conventional Smartphones for these applications and many more:

- Collaborative Working
- Audits & Inspection
- Operator Rounds
- Asset Tracking
- Condition Monitoring
- Process Automation
- Indoor / Outdoor Tracking & Navigation
- Safety / Security Management
- Man Down - Lone Worker Protection
- Push to talk

4.0“ CAPACITIVE MULTI-TOUCH SCREEN

Made of extreme shock and scratch-resistant Gorilla Glass® 2, the large display increases the workers productivity due to the larger work surface.
And, the brightness, sharpness and high resolution is easier on the eyes.
The multi-touch display remains easy and accurate to use, even when used with gloves or wet fingers.

Google Play Store certification provides access to more than 700,000 software applications. And, if you need your device to stay up to date, FOTA (Firmware Over The Air) does this automatically and securely - just as your personal phone does.

WORKER SAFETY WITH SMART-EX 01

An ultra-rugged, LTE/ WiFi/ Android smartphone, the Smart-Ex® 01 comes with unrivalled features:

- Such as a touch screen that can be viewed in direct sunlight and easily used with dirty or wet work gloves.
- An extremely loud speaker, noise cancellation, a powerful battery, water and drop resistance and an optional 3-Year Service Level Agreement are just some features of the Smart-Ex® 01 that provide peace of mind to enterprises and workers alike.
- Access to productivity applications and worker safety as well as a full suite of industrial-grade accessories completes the solution.

In extreme and often dangerous working environments where every step is critical, you don’t settle for less than the best – Smart-Ex® 01.

MAKE ALL THE DIFFERENCE

ALSO AVAILABLE

ZONE 2/22. DIV.2 **EX-HANDY 09** ZONE 1/21. DIV. 1

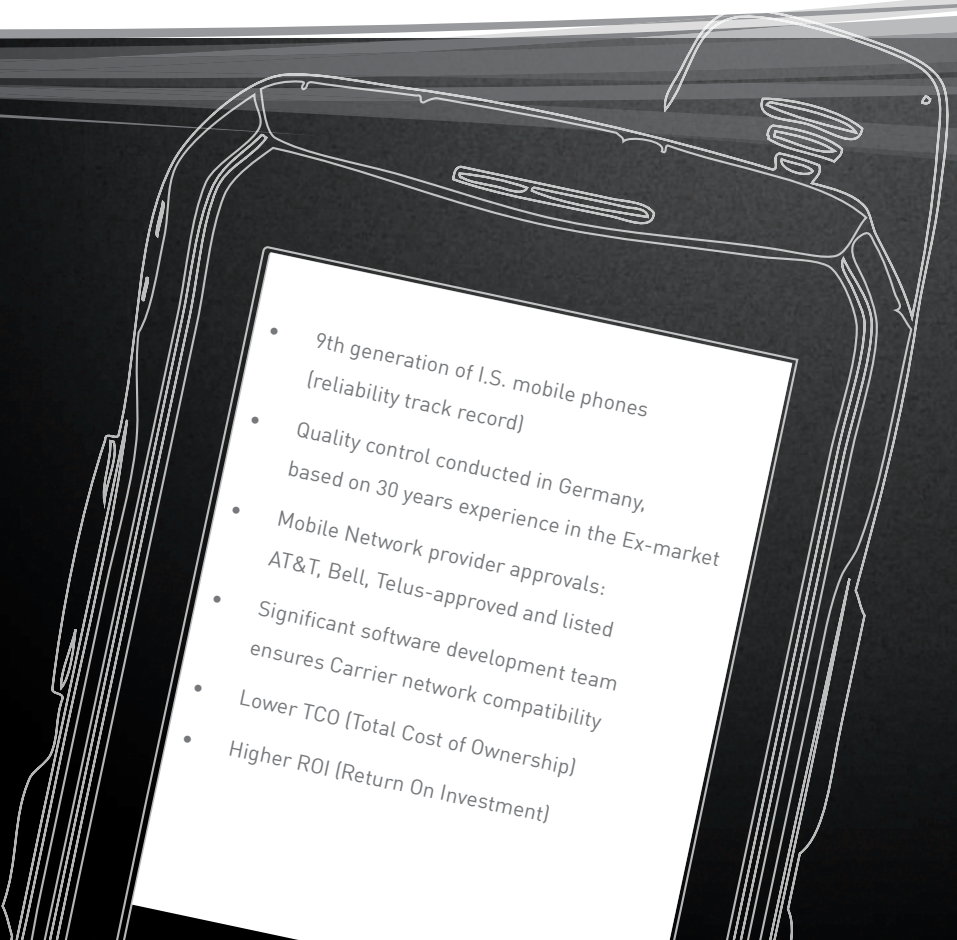
SLA + Lone Worker Protection (optional)

- Android ™ 4.4 Kitkat®
- Keypad + Touchscreen
- 4G LTE
- Weight: approx. 330g

ZONE 2/22. DIV.2 **EX-HANDY 08** ZONE 1/21. DIV. 1

NQA + Lone Worker Protection (optional)

- Nucleus
- Keypad
- 3G UMTS
- Weight: approx. 200g



SCOPE OF DELIVERY

- Smart-Ex® 01
- Li-Ion battery 3600mAh (built-in)
- Charger TC S01
- Safety Box SB S01
- Belt Clip BC S01
- Needle (for opening SIM Slot)
- Documentation

Smart-Ex® 01

TECHNICAL DATA

CORE PLATFORM / FUNCTIONS	
Operating System	Android 4.4
Chipset	MSM8926 1.2 GHz Quad core
Band	4G / LTE-standard EU: B1, B3, B7, B8, B20, B38 (TDD) Quad Band UMTS 850 / 900 / 1900 / 2100 MHz US: B1, B2, B3, B4, B5, B7, B8, B12, B14, B17 Quad Band GSM 850 / 900 / 1800 / 1900 MHz
Antenna	MIMO antenna for LTE
WiFi	802.11 a / b / g / n dual-band, WiFi Direct, WiFi Hotspot
Memory	16GB Internal Storage / 1GB RAM
User memory	12GB
Applications	Google Play
CONNECTIVITY	
Bluetooth **SMS, MMS** **(text, image, audio, video)**	BT4.0 / BLE (Low Energy) Support SMS and MMS
GPS, NFC	A-GPS, GLONASS, NFC
Languages supported	Arabic, Simplified Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Persian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish
Email Client	EAS, Gmail, POP3, IMAP
Capacity (mAh)	3600 mAh
Battery Life	Up to 1000 hours Stand by, up to 40 hours talk time
PHYSICAL CHARACTERISTICS	
Ambient temperature	-20°C.....+55°C
Protection class	IP68
Size	137 mm x 72.1 mm x 26,9 mm (5.39" x 2.54" x 1,05")
Weight	approx. 380 g
Dedicated Keys	PTT key / Alarm key / Power key
Ports	3.5 mm audio connector / Magnetic USB connector plug

DISPLAY	
Size	4.0 inch
Type	Corning Gorilla® Glass 2 with Glove Touch, Blanview Display
Resolution	WVGA (480x800)
Outdoor Visibility	Yes
Capacity	16.7 M color
Audio	
Microphone	Dual Mic Solution with Noise cancellation
Speaker	19 mm Loud Speaker with Gore® Protective Vents, Output up to 103 dB
MULTIMEDIA	
Audio Formats	MP3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB
Video Formats	Support AVI, MP4, 3GPP
Media Player	Android native + GMS
FM Radio	Yes
Camera	8MP auto focus rear, 1MP fixed focus front
LED torch light	Yes

OPTIONAL ACCESSORIES / PERIPHERAL DEVICES

- Car charger
- Leather case
- Leather holster
- Single-bay desktop charger
- 4-bay desktop charger
- USB connector plug
- Stylus
- IS headset "ComCom Ex"
- IS in-ear noise reduction headset "Serenity SPC Ex"
- Bluetooth Remote Speaker Mic "Ex-RSM Aurelis BT"
- Non-IS stereo headset

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