ecom
MOBILE SAFETY

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

DELIVERING MOBILITY

IN HAZARDOUS AREAS

Smart-Ex® 01

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

THE LATEST HIGH END PRODUCT IN THE RANGE OF MOBILE COMMUNICATION

RANGE OF FUNCTIONS

- 4G / LTE-standard
- 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
- 8 MP rear camera with auto focus and LED flash with torchlight function and 1 MP 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
- 5-pins water-proof magnetic USB 2.0 High Speed connector
- IP68 - Dust proof, water proof
- Push-to-talk (App solution)
- Lone Worker Protection (App solution)
- Optional Service Level Agreemeent (SLA)

EXPERIENCE THE SMART-EX® 01 SMARTPHONE

CERTIFICATION

ATEX	⟨Ex⟩ II 2 G Ex ib IIC T4 Gb IP64 ⟨Ex⟩ 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

WE DON'T ASK, WE ACT!
SERVICE LEVEL AGREEMENT (OPTIONAL)

With the optional SLA, for full three years warranty, all new ecom mobile phones enables „total cost of ownership certainty" and demonstrate the confidence in terms of product quality and reliability.

ecom will guarantee 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:

- Collaborative Working
- Audits & Inspection
- Operator rounds
- Asset Tracking
- Monitoring
- Process Automation
- Indoor/ Outdoor Tracking & Navigation
- Safety / Security
- 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.
The brightness, sharpness and resolution is much more easier on the eyes.
Whether wearing gloves or having wet fingers, the multi-touch display is always easy and exact to use.

Google Play Store certification cleans the way for more than 700,000 software applications. The FOTA (Firmware Over The Air) ability keeps the device everytime up to date. Just as you’re used to it with your private Smartphone.

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

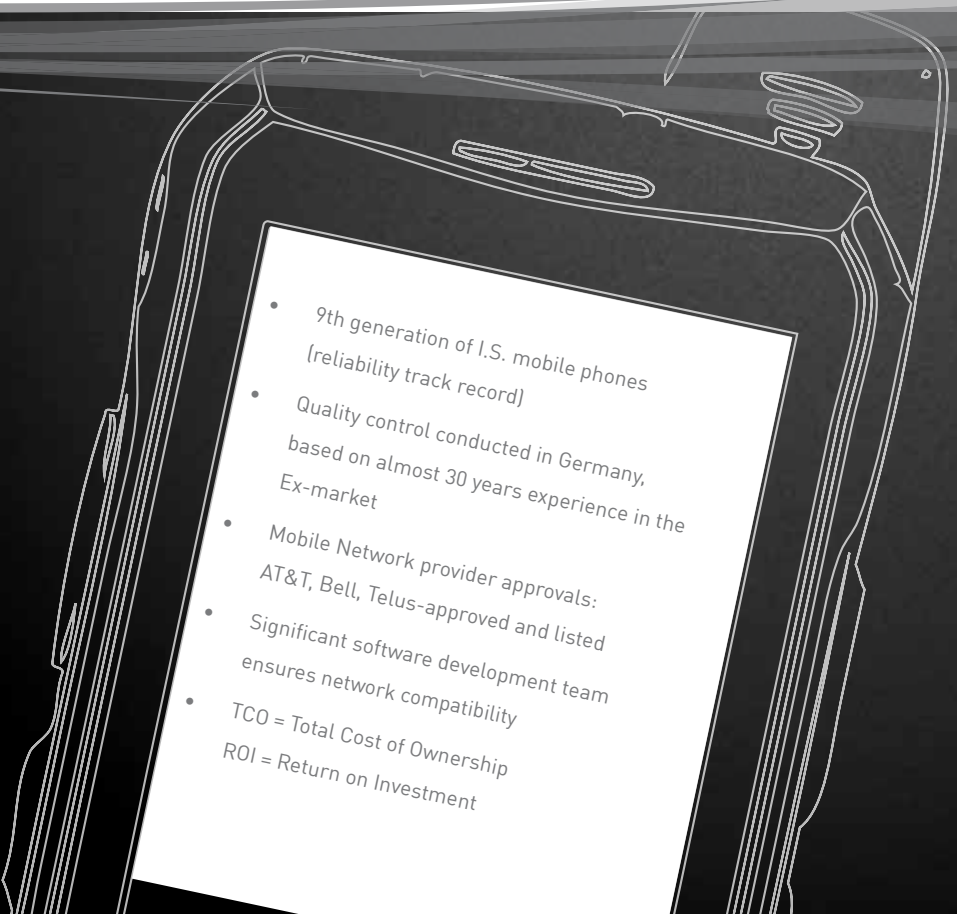
SLA + Lone Worker Protection (optional)

- 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	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	8 MP auto focus rear, 1 MP 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

EMEA

Germany (Headquarters) [1]
ecom instruments GmbH
Industriestraße 2
97959 Assamstadt
Phone +49 62 94 42 24-0
Fax +49 62 94 42 24-100
sales@ecom-ex.com
[1] also covering Austria

Benelux [2]
ecom instruments BV
Watertoren 45c
3247 CL Dirksland, Netherlands
Phone +31 1 87 60 59 16
Fax +31 1 87 60 33 47
info.nl@ecom-ex.com
[2] also covering Belgium and Luxemburg

France [3]
ecom Nied sarl
4 Rue Ettore Bugatti
67201 Eckbolsheim
Phone +33 3 88 76 46 84
Fax +33 3 88 76 02 85
info.fr@ecom-ex.com
[3] also covering Algeria, Egypt, Morocco, Tunisia and Libya

Italy
ecom instruments srl
Via Gandhi, 15 Galleria
20017 Rho (MI)
Phone +39 02 93 90 92 16
Fax +39 02 93 90 62 97
info.it@ecom-ex.com

Switzerland
ecom instruments GmbH
Merkurstraße 2
6210 Sursee
Phone +41 4 19 21 60 00
Fax +41 4 19 22 00 08
info.ch@ecom-ex.com

United Kingdom
ecom instruments Ltd.
A310, The Wilton Centre,
Redcar, TS10 4RF,
United Kingdom
Phone +44 1642 46 54 00
Fax +44 1642 46 54 02
info.uk@ecom-ex.com

Middle East
ecom instruments fze
P.O. Box 8918
Saif-Zone, Sharjah, UAE
Phone +971 6 5 57 34 30
Fax +971 6 5 57 34 31
info.uae@ecom-ex.com

Americas

USA
ecom instruments Inc.
1779 Westborough Drive, Suite 102
Katy, Texas 77449
Phone +1 281 496 59 30
Fax +1 281 496 23 21
info.us@ecom-ex.com

Asia

ecom instruments (SEA) Pte Ltd.
12 Arumugam Road
#05-11 Lion Building B
Singapore 409958
Phone +65 61 00 33 29
Fax +65 63 99 33 29
info.sg@ecom-ex.com

Locate your nearest ecom partner on www.ecom-ex.com