



THORNE &
DERRICK
INTERNATIONAL

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ecom
MOBILE SAFETY



Ex-Handy 09

DELIVERING MOBILITY
IN HAZARDOUS AREAS

Ex-Handy 09



Intrinsically Safe Mobile Phone **Ex-Handy 09**

ZONE 1 / 21, ZONE 2 / 22 , CLASS 1 / DIV 1, CLASS 1 / DIV 2

RANGE OF FUNCTIONS

- Touch Screen and Numeric Keypad
- High Visibility Display in Direct Sunlight
- 4G LTE cellular network connectivity
- Android™ 4.4 Kit Kat® Operating System
- Wifi 802.11 a/b/g/n with hotspot feature
- Long Battery Life
- Usable with gloves
- Powerful Loudspeaker
- Protection from micro particles
- Waterproof to IP68 standards
- High Shock/Vibration Resistance
- Extreme Temperature Resistance
- Resistant to extreme pressure
- High puncture resistance
- Resistant to most oils and chemicals
- Optional Service Level Agreement (SLA)

EXPERIENCE THE EX-HANDY 09 MOBILE PHONE

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

ZONE 1/21. DIV. 1

ZONE 2/22. DIV. 2



SLA +
Lone Worker
Protection +
Camera
(optional)

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

SCOPE OF DELIVERY

- Ex-Handy 09 mobile phone
- Li-Ion battery 3600mAh (built-in)
- Charger TC S01
- Safety Box SB S01
- Belt Clip BC H09
- Needle (for opening SIM Slot)
- Documentation

Ex-Handy 09

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
WiFi	802.11 a / b / g / n dual-band, with Hotspot feature
Memory	8GB Internal Storage / 1GB RAM
User memory	4GB
Applications	Google Play Store applications
CONNECTIVITY	
Bluetooth SMS, MMS (text, image, audio, video)	BT4.0 / BLE (Low Energy) Support SMS and MMS
GPS, NFC	A-GPS, GLONASS
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 65 mm x 26.9 mm (5.39" x 2.54" x 1.05")
Weight	approx. 330 g
Dedicated Keys	PTT key / Alarm key / Power key
Ports	3.5 mm audio connector / Magnetic USB connector plug

DISPLAY	
Size	2.6 inch
Type	Corning Gorilla® Glass 2 with Glove Touch, Blanview Display
Resolution	432 x 320
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
LED torch light	Yes



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