



**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**



Ⓜ 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

**ZONE 1/21. DIV. 1**

**ZONE 2/22. DIV. 2**



## 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<br>SMS, MMS<br>(text, image, audio, video) | BT4.0 / BLE (Low Energy)<br>Support SMS and MMS                                                                                                                                                               |
| GPS, NFC                                             | 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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