






**Ex-Handy 09 & Ex-Handy 209**

**DELIVERING MOBILITY**  
**IN HAZARDOUS AREAS**

# Ex-Handy

CERTIFICATION		
	EX-HANDY 09	EX-HANDY 209
<b>ATEX</b> 	Ⓢ II 2 G Ex ib IIC T4 Gb IP64 Ⓢ II 2 D Ex ib IIIC T135°C Db IP6X	Ⓢ II 3G Ex ic IIC T4 Gc IP64 Ⓢ II 3D Ex ic IIIB T135°C Dc
<b>IECEX</b> 	Ex ib IIC T4 Gb IP64 Ex ib IIIC T135 ° C Db IP6X	Ex ic IIC T4 Gc IP64 Ex ic IIIB T135°C Dc IP6X
<b>NEC &amp; CEC</b> 	Class I, II, III Div 1 Groups AG T4	Class I, Division 2, Groups A,B,C,D, T4

## Intrinsically Safe Featurephone **Ex-Handy 09/209**

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

### RANGE OF FUNCTIONS

- Sim lock free
- 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
- 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 3 years (SLA)
- PTT - Push to talk (optional)

# EXPERIENCE THE EX-HANDY 09/209 FEATUREPHONE

**ZONE 2/22. DIV 2****ZONE 1/21. DIV 1**

## 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 / 209
- Li-Ion battery 3600mAh (built-in)  
Li-Ion battery 4800mAh (built-in)
- Charger TC S01
- Safety Box SB S01 / USB data cable  
PC S201
- Belt Clip BC H09 / 209
- Needle (for opening SIM Slot)
- Documentation

## TECHNICAL DATA

### CORE PLATFORM / FUNCTIONS

	ZONE 1	ZONE 2
Operating System	Android 4.4	Android 4.4
Chipset	MSM8926 1.2 GHz Quad core	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, B17 Quad Band GSM 850 / 900 / 1800 / 1900 MHz	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, B17 Quad Band GSM 850 / 900 / 1800 / 1900 MHz
WiFi	802.11 a / b / g / n dual-band, with Hotspot feature	802.11 a / b / g / n dual-band, with Hotspot feature
Memory	8GB Internal Storage / 1GB RAM	8GB Internal Storage / 1GB RAM
User memory	4GB	4GB
Applications	Google Play Store applications	Google Play Store applications

### CONNECTIVITY

Bluetooth SMS, MMS (text, image, audio, video)	BT4.0 / BLE (Low Energy) Support SMS and MMS	BT4.0 / BLE (Low Energy) Support SMS and MMS
GPS, NFC	GPS, GLONASS	GPS, GLONASS
Languages supported	Arabic, Simplified Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish	Arabic, Simplified Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish
Email Client	EAS, Gmail, POP3, IMAP	EAS, Gmail, POP3, IMAP
Capacity (mAh)	3600 mAh	4800 mAh
Battery Life	Up to 1000 hours Stand by, up to 40 hours talk time	Up to 1000 hours Stand by, up to 40 hours talk time

### PHYSICAL CHARACTERISTICS

Ambient temperature	-20°C.....+55°C	-20°C.....+55°C
Protection class	IP68	IP68
Size	137 mm x 65 mm x 26.9 mm [5.39" x 2.54" x 1.05"]	137 mm x 65 mm x 26.9 mm [5.39" x 2.54" x 1.05"]
Weight	approx. 330 g	approx. 270 g
Dedicated Keys	PTT key / Alarm key / Power key	PTT key / Alarm key / Power key
Ports	3.5 mm audio connector	3.5 mm audio connector

DISPLAY		
Size	2.6 inch	2.6 inch
Type	Corning Gorilla® Glass 2 with Glove Touch, Blanview Display	Corning Gorilla® Glass 2 with Glove Touch, Blanview Display
Resolution	432 x 320	432 x 320
Outdoor Visibility	Yes	Yes
Capacity	16.7 M color	16.7 M color
Audio		
Microphone	Dual Mic Solution with Noise cancellation	Dual Mic Solution with Noise cancellation
Speaker	19 mm Loud Speaker with Gore® Protective Vents, Output up to 103 dB	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	MP3, WMA 9, AAC, ACC+, eAAC+, AMR-NB/WB
Video Formats	Support AVI, MP4, 3GPP	Support AVI, MP4, 3GPP
Media Player	Android native + GMS	Android native + GMS
FM Radio	Yes	Yes
Kamera	-	5-MP Autofocus camera back side
LED torch light	Yes	Yes

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