



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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ecom
MOBILE SAFETY

ZONE 2/22, DIV.2



Intrinsically Safe Smartphone **Smart-Ex® 201**

DELIVERING MOBILITY
IN HAZARDOUS AREAS

Smart-Ex[®] 201

ZONE 2 / 22

DIVISION 2 / CLASS I

Intrinsically Safe Smartphone **Smart-Ex[®] 201** 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)
- 4800 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® 201 SMARTPHONE



CERTIFICATION

ATEX



Ex II 3G Ex ic IIC T4 Gc IP64

Ex II 3D Ex ic IIIB T135°C Dc IP6X

IECEX



Ex ic IIC T4 Gc IP64

Ex ic IIIB T135°C Dc IP6X

NEC & CEC



Class I, Div. 2, Groups A-D - T4

SCOPE OF DELIVERY

- Smart-Ex® 201
- Li-Ion battery 4800 mAh (built-in)
- Charger TC S01
- USB Data Cable PC S201
- Belt Clip BC S201
- Needle (for opening SIM Slot)
- Documentation

Smart-Ex[®] 201

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)	4800 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 20.8 mm (5.39" x 2.54" x 0.82")
Weight	approx. 290 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
- 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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