

Data Sheet Smart-Ex® 02

DZ1



Ⓢ II 2G Ex ib op is IIC T4 Gb IP64
 Ⓢ II 2D Ex ib op is IIIC T120°C Db
 Ambient temperature: -20 °C ≤ Ta ≤ +60 °C



Ex ib op is IIC T4 Gb IP64
 Ex ib op is IIIC T120°C Db
 Ambient temperature: -20 °C ≤ Ta ≤ +60 °C



Cl I, II, III, Division 1 Group A-G T4 IP64
 Ex ib op is IIC T4 Gb
 Ex ib op is IIIC T120°C Db
 Cl 1 Zn 1, AEx ib op is IIC T4 Gb
 Zn 21, AEx ib op is IIIC T120°C Db
 Ambient temperature: -20 °C ≤ Ta ≤ +60°C, IP64

Further approvals at: www.ecom-ex.com



Technical Data

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|-------------------------|---|
| Operating System | Android™ Android Enterprise Recommended Unless otherwise specified, the product is shipped with the latest firmware release. Latest firmware release: Android™ 9 Upgrade to Android™ 11 now available. |
| Processor | Qualcomm Snapdragon 450 platform |
| Band | Cellular frequency bands: 4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 4G LTE TDD: B38, B39, B40, B41 3G UMTS: 850 / 900 / 1700 / 1900 / 2100 MHz 2G GSM: 850 / 900 / 1800 / 1900 MHz |
| Memory | 3 GB RAM + 32 GB ROM microSD card up to 128 GB |
| Display | 12.7 cm (5.0") extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode |
| Ports | <ul style="list-style-type: none"> ■ 3.5 mm jack connection with special ecom mounting solution ■ 7-pins water-proof magnetic USB 2.0 connector |
| Dimensions | 163 x 82 x 22 mm |
| Weight | approx. 380 g |
| Dedicated Keys | Programmable key / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features |
| Connectivity | <ul style="list-style-type: none"> ■ 4G / LTE -standard (SIM unlocked); LTE Dual SIM; Nano SIM ■ WiFi 2.4 Ghz and 5 Ghz support ■ WiFi standards 802.11 a/b/g/n/ac/e/k/r/h ■ Bluetooth® 4.2 incl. BLE (Bluetooth Low Energy) ■ GPS / A-GPS / Glonass / Beidou / Galileo ■ NFC |
| Camera | 12 MP rear with autofocus and LED flash with flashlight function / 5 MP front (optional) |
| Battery | Replaceable Li-Ion Battery pack with 3.7 V / 4400 mAh / 16.28 Wh |
| Protection class | IP68, MIL-STD-810G |