Data Sheet Smart-Ex® 02

DZ1



ATEX	⟨Ex⟩ II 2G Ex ib op is IIC T4 Gb IP64 ⟨Ex⟩ II 2D Ex ib op is IIIC T120°C Db Ambient temperature: -20 °C ≤ Ta ≤ +60 °C
IECEx	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ambient temperature: -20 °C ≤ Ta ≤ +60 °C
SGS (CEC / NEC)	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	
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	▪ 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	▪ 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