




## Smart-Ex<sup>®</sup> 02 series



### Data Sheet

Smart-Ex 02 versions	Smart-Ex 02 DIV 1 / Zone 1/21	Smart-Ex 02 DIV 2 / Zone 2/22
<b>Operating System</b>	Android™ 9.0	
<b>Processor</b>	QualComm Snapdragon 450 platform	
<b>Cellular Frequency Bands</b>	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	
<b>Memory</b>	RAM 3 GB, ROM 32 GB	
<b>User Memory</b>	SD card up to 128 GB	
<b>Application</b>	Google Play Store certified Google Play Protect is built-in malware protection that works to keep your device clean and your data safe.	
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>• 4G / LTE -standard (SIM unlocked); LTE Dual SIM; Nano SIM</li> <li>• Wi-Fi 2.4 GHz and 5 GHz</li> <li>• Wi-Fi standards 802.11 a/b/g/n/ac/e/k/r/h</li> <li>• Bluetooth® 4.2 inclusive BLE</li> <li>• GPS / A-GPS / Glonass / Beidou / Galileo</li> <li>• NFC</li> </ul>	
<b>LTE standby time</b>	Up to 350 hours	
<b>Email Client</b>	EAS, Gmail, POP3, IMAP	
<b>Battery Life</b>	Replaceable Li-Ion Battery pack with 3.7V / 4400 mAh / 16.28 Wh	

<b>Ambient Temperature</b>	-20 ..... +60 °C	
<b>Protection class</b>	IP68, MIL-STD-810G	
<b>Dimension (W*H*D)</b>	163 * 82 * 22 (mm)	
<b>Weight</b>	Approx. 380 g	
<b>Dedicated keys</b>	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features	
<b>Display</b>	5.0" Capacitive touchscreen, 720 x 1280 px Extreme shock and scratch resistant Gorilla® glass support of glove and wet mode	
<b>Microphone</b>	Dual mic solution with three selectable background noise suppression options	
<b>Speaker</b>	Loud Speaker with Gore® Protective Vents	
<b>Camera</b>	12 MP rear with AF and LED flash with torchlight function / 5 MP front (optional)	
<b>Video streaming</b>	Support MP4, M4V, 3GP, 3G2, TS, WMV, ASF, AVI, FLV, MKV, WEBM	
<b>Ports</b>	3.5 mm jack connection with special ecom mounting solution 7-pins water-proof magnetic USB 2.0 connector	
<b>ATEX (Europe)</b> 	II 2G Ex ib op is IIC T4 Gb IP64 II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C	II 3G Ex ic op is IIC T4 Gc IP64 II 3D Ex ic op is IIIC T120°C Dc Ta = -20°C to +60°C
<b>IECEx (International)</b> 	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20°C to +60°C
<b>SGS (NEC / CEC)</b> 	CL I, II, III, DIV 1, Groups A-G, T4 IP64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C Db CL 1, Zone 1, AEx ib op is IIC T4 Gb Zone 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP64	CL I, II, III, DIV 2, Groups A-G, T4 IP64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc CL 1, Zone 2, AEx ic IIC T4 Gc Zone 22, AEx ic IIIC T120°C Dc Ta = -20°C to +60°C, IP64