

SMART-EX® 02 DZ2



INTRINSICALLY SAFE SMARTPHONE: THE NEW SMART-EX® 02 FOR ZONE 2 AND DIVISION 2 ZONE 2/22 DIVISION 2

The **Smart-Ex® 02 DZ2** is the **successor** of the intrinsically safe smartphone Smart-Ex® 201 for Zone 2/22 and DIV 2 areas. In addition, it meets all important global hazardous location and regulatory certifications.

DESCRIPTION

The rugged smartphone has a **large, high-resolution display**, powerful features, and **optimized accessories**. Its **extended temperature** range makes it suitable for even the harshest environments.

Designed to support **21 LTE** frequency bands, the **Smart-Ex® 02** has no SIM lock and can be connected to different networks worldwide. An **Android™ 9 operating** system enables the intrinsically safe device to work **safely, quickly, and efficiently**.

The **ergonomic design** and intuitive user interface enhance the user experience, and optimized accessories and peripherals ensure total compatibility with current and future ecom products. With the most powerful **replaceable battery** on market (4400 mAh), longer shifts and 24-hour work coverage are possible.

The **Smart-Ex® 02** also sets new standards when it comes to security. Regular **security updates** prevent unauthorized access to confidential personal and company data.

To ensure unlimited, long-term use of the smartphone, ecom offers a **three-year service level agreement**. Pepperl+Fuchs' global sales and service network provides excellent customer service around the globe. Support from ecom's system engineers and development teams is also available when software requirements change.

FEATURES

- ▶ 4G / LTE standard (SIM unlocked)
 - ▶ Supports Dual-SIM
 - ▶ Supports 21 LTE bands
 - ▶ Android™ 9 operating system
 - ▶ 3 GB RAM, 32 GB ROM
- Up to 128 GB additional memory with microSD
- ▶ WiFi Standard 802.11 a/b/g/n/ac/e/k/r/h
 - ▶ WiFi 2.4 Ghz und 5 Ghz support
 - ▶ Bluetooth® 4.2 incl. BLE
 - ▶ GPS / A-GPS / Glonass / Beidou / Galileo / NFC
 - ▶ 2 cameras: 12 MP camera with autofocus and LED flash + 5 MP camera
 - ▶ Waterproof magnetic USB 2.0 connection
 - ▶ Replaceable 4400 mAh battery

TECHNICAL DATA

ATEX (Europe)	II 3G Ex ic op is IIC T4 Gc IP64 II 3D Ex ic op is IIIC T120°C Dc Ambient temperature: -20 °C ≤ Ta ≤ +60 °C
OPERATING SYSTEM	Android™ 9.0
PROCESSOR	Qualcomm Snapdragon 450 platform

BAND	<p>Cellular frequency bands:</p> <p>4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71</p> <p>4G LTE TDD: B38, B39, B40, B41</p> <p>3G UMTS: 850 / 900 / 1700 / 1900 / 2100 MHz</p> <p>2G GSM: 850 / 900 / 1800 / 1900 MHz</p>
MEMORY	3 GB RAM, 32 GB ROM
USER MEMORY	SD card up to 128 GB
DISPLAY	12.7 cm (5.0 inch) extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
PORTS	<p>3.5 mm jack connection with special ecom mounting solution</p> <p>7-pins water-proof magnetic USB 2.0 connector</p>
DIMENSIONS	163 x 82 x 22 mm
WEIGHT	approx. 380 g
CONNECTIVITY	<p>4G / LTE -standard (SIM unlocked); LTE Dual SIM; Nano SIM</p> <p>WiFi 2.4 Ghz and 5 Ghz support</p> <p>WiFi standards 802.11 a/b/g/n/ac/e/k/r/h</p> <p>Bluetooth® 4.2 incl. BLE (Bluetooth Low Energy)</p> <p>GPS / A-GPS / Glonass / Beidou / Galileo</p> <p>NFC</p>
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
APPLICATIONS	Google Play Store certified
EMAIL CLIENT	EAS, Gmail, POP3, IMAP
AMBIENT TEMPERATURE	-20 °C ... +60 °C (certification pending)

DEDICATED KEYS	PTT / Alarm / Power / Multifunction / Volume / Control / Hardware buttons for Android features
MICROPHONE	Dual mic solution with three selectable background noise suppression options
SPEAKER	Loud Speaker with Gore® Protective Vents
VIDEO STREAMING	Support MP4, M4V, 3GP, 3G2, TS, WMV, ASF, AVI, FLV, MKV, WEBM