



Smartphone

Smart-Ex® 03

SMART-EX03-DZ1-AI-C128-000-..

- Global certificates - a common hardware platform
- Android™ 13 operating system
- Wireless connections such as 5G NR, WWAN, Wi-Fi and Bluetooth®
- Android™ Enterprise Recommended verified device
- Dual eSIM + nano-SIM card is interchangeable
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications

Smart-Ex 03 DZ1 (DIV 1 and Zone 1/21), ATEX/IECEX, Android™, with Kamera, 128 GB



Technical Data

| Hardware | |
|----------------------------|--|
| Processor | Qualcomm® Snapdragon QCM6490 and SDR753 platform Full 3GPP Rel 15 support |
| RAM | 8 GByte |
| Camera | Optional: |
| Front camera | 5 MP |
| Main camera | 13 MP with LED flash and phase detection autofocus optimized for ECOM scanning solutions |
| Video recording resolution | 1080p, 720p, 480p (main camera) |
| Internal data memory | 128 GByte ¹ |
| Sensors | Biometric, Accelerometer, Gyrometer, Magnetometer, Barometer, Proximity, Ambient light |
| Indicators/operating means | |
| Display | Can be operated while wearing gloves Extreme shock and scratch resistant Gorilla® glass |
| Touchscreen technology | Capacitive multitouch |
| Screen diagonal | 15.24 cm / 6 inch |
| Resolution | 1080 x 2160 pixels |
| Key | Programmable push-to-talk, alarm and multifunction button Power button with fingerprint sensor Volume up/down |
| Electrical specifications | |
| Battery type | Li-Ion battery , 4400 mAh |
| Interface | |
| I/O ports | Charging via USB Type C + robust charging pads for charging in docking station (accessory) 3.5 mm audio interface, supporting legacy and standard 3.5mm audio accessories and updated PTT accessories through new, specific audio interface |
| Communication | |
| Mobile standard | |
| 2G | GSM: 800 / 850 / 900 / 1800 / 1900 MHz |
| 3G | WCDMA: B1, B2, B4, B5, B8 (850 / 900 / 1700 / 1900 / 2100 MHz) |
| 4G | LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B34, B38, B39, B40, B41, B42, B43, B46, B48, B53, B66, B71 |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

| | |
|--|---|
| 5G | NR: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79 |
| WLAN | 6E ready, 802.11a/b/g/n/ac/ax/e/k/r/v, support for Enterprise deployments |
| Bluetooth | 5.2 with Low Energy support |
| GPS sensor | GPS, GLONASS, Galileo, QZSS, BeiDou |
| NFC | yes |
| SIM card | Dual SIM (eSIM + nano-SIM) |
| Software | |
| Operating system | Android™ 13 Android™ Enterprise Recommended verified device |
| Applications | PTT, eSentinel, eMDM, eBarcode, eDiagnostics, eConfig |
| SMS/MMS | yes |
| Ambient conditions | |
| Ambient temperature | -20 ... 60 °C (-4 ... 140 °F) |
| Mechanical specifications | |
| Degree of protection | IP68 , MIL-STD-810H |
| Mass | 400 g |
| Dimensions | |
| W x H x D | 84 mm x 172 mm x 18 mm / 25 mm |
| Data for application in connection with hazardous areas | |
| ATEX approval | |
| ATEX marking | Ⓜ II 2G Ex ia IIC T4 Gb Ⓜ II 2D Ex ia IIIC T135 °C Db Ta = -20 °C to +60 °C |
| International approvals | |
| IECEx approval | |
| IECEx marking | Ex ia IIC T4 Gb Ex ia IIIC T135 °C Db Ta = -20 °C to +60 °C |
| General information | |
| Note | Android is a trademark of Google LLC. ¹ no SD Card memory extension |
| Scope of delivery | Smart-Ex® 03 Li-Ion battery Charger USB cable Screwdriver Documentation |

Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.