



# Smartphone

## Smart-Ex® 03

SMART-EX03-DZ2-AI-N128-000-..

- 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 DZ2 (DIV 2 and Zone 2/22), ATEX/IECEX, Android™, 128 GB



### Technical Data

Hardware	
Processor	Qualcomm® Snapdragon QCM6490 and SDR753 platform Full 3GPP Rel 15 support
RAM	8 GByte
Internal data memory	128 GByte <sup>1</sup>
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
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

Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 70172102\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

SIM card	Dual SIM (eSIM + nano-SIM)
<b>Software</b>	
Operating system	Android™ 13 Android™ Enterprise Recommended verified device
Applications	PTT, eSentinel, eMDM, eBarcode, eDiagnostics, eConfig
SMS/MMS	yes
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
<b>Mechanical specifications</b>	
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
<b>Data for application in connection with hazardous areas</b>	
ATEX approval	
ATEX certificate	EPS 23 ATEX 1 098 X
ATEX marking	Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135 °C Dc Ta = -20 °C to +60 °C
<b>International approvals</b>	
IECEX approval	
IECEX certificate	IECEX EPS 23.0021X
IECEX marking	Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc Ta = -20 °C to +60 °C
<b>General information</b>	
Note	Android is a trademark of Google LLC. <sup>1</sup> 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](http://www.pepperl-fuchs.com).