



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
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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
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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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 **PEPPERL+FUCHS**

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