

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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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	Ⓔx II 2G Ex ia IIC T4 Gb Ⓔx 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.

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