



Smartphone

Smart-Ex® 03

SMART-EX03-DZ2-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 DZ2 (DIV 2 and Zone 2/22), ATEX/IECEX, Android™, with Camera, 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 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135 °C Dc Ta = -20 °C to +60 °C
International approvals		
IECEX approval		
IECEX marking		Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc 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.