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), Android™, with Camera, 128 GB, global version

Technical Data

Hardware	
Processor	Qualcomm® Snapdragon QCM6490 and SDR753 platform Full 3GPP Rel 15 support
RAM	8 GByte
Camera	
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

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

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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 certificate	EPS 23 ATEX 1 098 X
ATEX marking	⟨Ex⟩ II 3G Ex ic IIC T4 Gc ⟨Ex⟩ II 3D Ex ic IIIC T135 °C Dc Ta = -20 °C to +60 °C
International approvals	
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
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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www.pepperl-fuchs.com	pa-info@us.pepperl-fuchs.com	pa-info@de.pepperl-fuchs.com	pa-info@sg.pepperl-fuchs.com

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