



Smartphone

Smart-Ex® 03

SMART-EX03-DZ1MZAF-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
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- PTCRB and GCF certified
- Dual SIM (eSIM + nano-SIM)
- Google ARCore ready

Smart-Ex 03 DZ1 (Mining), MASC, Android™, with Camera, 128 GB, version for South Africa



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	
Touch screen technology	Capacitive multitouch
Screen size	15.24 cm / 6 inch
Screen resolution	1080 x 2160
Screen protection	Extreme shock and scratch resistant Gorilla® glass
Special Features	Can be operated while wearing gloves
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)

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Technical Data

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, 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 (BLE supported)
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
SMS/MMS	yes
Cybersecurity	
IT security	
Biometrics	Fingerprint sensor in power button
Updates	Security updates until October 2029 Security update frequency every 90 days Operating system upgrades up to Android™ 15
Certificates	Common Criteria (CC)
Ambient conditions	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Mechanical specifications	
Degree of protection	IP68 according to EN/IEC 60529 MIL-STD-810H
Mass	400 g
Dimensions	
W x H x D	84 mm x 172 mm x 18 mm / 25 mm
International approvals	
IECEX approval	
IA approval	
IA certificate	MASC M/24-8208X
IA marking	Ex ia I Ma
Approved for	South Africa
Further approvals	Wi-Fi CERTIFIED™ Google ARCore ready PTCRB GCF
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.