



Smartphone

Smart-Ex® 203

SMART-EX203-*

- Android™ 14
- Wireless connections such as 5G NR, WWAN, Wi-Fi and Bluetooth®
- GPS
- NFC technology for wireless applications
- Dual SIM (eSIM + nano-SIM)



Technical Data

Hardware	
Processor	Qualcomm QCM4490 3GPP Rel 16 support
RAM	8 GByte
Camera	Version without camera available.
Front camera	16 MP
Main camera	48 MP with autofocus and LED flash
Scanner	Optional additional 1D/2D-scan module SM-Ex S203 SR (#70192137, Zebra SE4107) available as accessory
Internal data memory	128 GByte
Optional data memory	microSD card up to 512 GByte
Sensors	Biometric, Accelerometer, Gyrometer, Magnetometer, Barometer, Proximity, Ambient light
Indicators/operating means	
Display	
Touch screen technology	Capacitive multitouch
Panel type	TFT
Screen size	16 cm / 6.3 inch
Resolution	1080 x 2340 (FHD+)
Special Features	Can be operated while wearing gloves Use in rain and wet conditions
Key	Programmable push-to-talk and multifunction button (can be used as an alarm button) Power button Volume up/down
Electrical specifications	
Battery type	Li-ion 3.8 V 4500 mAh 17.1 Wh
Interface	
I/O ports	USB-C additional interface for peripherals Charging pads for charging in docking station
Communication	
Mobile standard	
4G	LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B29, B30, B66, B71 LTE-TDD: B34, B38, B39, B40, B41, B42, B43, B48
5G	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79

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Technical Data

WLAN	IEEE 802.11 2.4 GHz - b/g/n 5 GHz / 6 GHz: - a/ac/ax (Wi-Fi 6e)
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™ 14 with GMS (Google Mobile Services) Android™ Enterprise Recommended verified device (pending) ARCore certification (pending)
Cybersecurity	
IT security	
Biometrics	Fingerprint sensor (side)
Updates	Security updates until 2032 Operating system updates up to Android™ 18
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Operating temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 according to EN/IEC 60529 MIL-STD-810H
Mass	365 g
Dimensions	
W x H x D	86 mm x 177 mm x 17 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	Pending
ATEX marking	Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc T _{amb} = -20 °C ... +60 °C
International approvals	
IECEX approval	
IECEX certificate	Pending
IECEX marking	Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc T _{amb} = -20 °C ... +60 °C
NEC/CEC approval	
NEC/CEC certificate	Pending
NEC/CEC marking	Class I, Division 2, Groups A - D T4 Class II, Division 2, Groups F,G T4 T _{amb} = -20 °C ... +60 °C
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 203 Li-Ion battery Charger USB cable Torx T8 Documentation

Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.