



Smartphone

Smart-Ex® 203

SMART-EX203*

- 5G and Wi-Fi 6 connectivity
- Large 6.3-inch display, optimized for AR applications and digital workflows
- Dual-SIM capability with eSIM and Nano-SIM
- Fingerprint sensor ensures secure biometrics authentication
- Glove mode and smart call handling for seamless operation
- High-resolution 48-MP rear camera with autofocus and LED flash
- Additional interface supports expansion with accessories such as the SM-Ex S203 SR scanning module

Division 2 and Zone 2/22, Android™



Technical Data

Hardware		
Processor		Qualcomm Dragonwing™ 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

Release date: 2026-07-30 Date of issue: 2026-07-30 Filename: 480998_eng.pdf

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

PEPPERL+FUCHS

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 ARCore certification
Cybersecurity	
IT security	
Biometrics	Fingerprint sensor (side)
Updates	Security updates until March 2032
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F) (without scanner module) -20 ... 50 °C (-4 ... 122 °F) (with scanner module)
Charging temperature	5 ... 45 °C (41 ... 113 °F)
Mechanical specifications	
Degree of protection	IP68 according to EN/IEC 60529 MIL-STD-810H
Mass	365 g
Dimensions	
Height	17 mm
Width	86 mm
Length	177 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 25 ATEX 1 131 X
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	IECEx EPS 25.0034X
IECEx marking	Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc T _{amb} = -20 °C ... +60 °C
NEC/CEC approval	
NEC/CEC marking	Class I, Division 2, Groups A - D T4 Class II, Division 2, Groups F, G T4 Class I Zone 2 AEx ic IIC T4 Gc Zone 22 AEx ic IIIC T135°C Dc
General information	
Note	Android is a trademark of Google LLC. This device is not supplied with a charger.
Scope of delivery	Smart-Ex® 203 Li-Ion battery USB cable Torx T8 Documentation

Accessories

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