

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

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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
KC approval		
KC certificate		26-KA4BO-0339X (gas) 26-KA4BO-0340X (dust)
KC marking		Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc
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
IA approval		
IA certificate		MASC S/25-8680X
IA marking		Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc
CML approval		
CML certificate		CML 25JPN2462X
CML marking		Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc
General information		

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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.

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