



Smartphone

Smart-Ex® 03

SMART-EX03-DZ2*

- Global certificates - a common hardware platform
- Android™ 15 operating system
- Wireless connections such as 5G NR, WWAN, Wi-Fi and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- PTCRB and GCF certified
- Dual SIM (eSIM + nano-SIM)
- Google ARCore ready
- Optional with a service contract

Division 2 and Zone 2/22, Android™



Technical Data

Hardware

Processor	Qualcomm® Snapdragon QCM6490 and SDR753 platform Full 3GPP Rel 15 support
RAM	8 GByte
Camera	Version without camera available.
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)

Release date: 2026-03-17 Date of issue: 2026-03-17 Filename: t218209_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

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™ 15 Android™ Enterprise Recommended verified device
SMS/MMS		yes
Cybersecurity		
IT security		
Biometrics		Fingerprint sensor in power button
Updates		Security updates until October 2030 Security update frequency every 90 days Operating system upgrades up to Android™ 15
Certificates		Common Criteria (CC)
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP68 according to EN/IEC 60529 MIL-STD-810H
Mass		400 g
Dimensions		
Height		25 mm / 18 mm
Width		84 mm
Length		172 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 23 ATEX 1 098 X
ATEX marking		Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ 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
INMETRO approval		
INMETRO certificate		TÜV 24.0193 X
INMETRO marking		Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc
KCC approval		
KCC certificate		24-KA4BO-0744X 24-KA4BO-0743X
KCC marking		Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc
NEC/CEC approval		
NEC/CEC certificate		E115956_PRJ-17072

Technical Data

NEC/CEC marking		U.S. and Canada Class I Division 2, Groups A, B, C, D T4 Class II Division 2 Group FG T4 U.S. Class I Zone 2 AEx ic IIC T4 Gc Zone 22 AEx ic IIIC T135°C Dc Canada Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc
IA approval		
IA certificate		MASC S/24-8207X
IA marking		Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc
CML approval		
CML certificate		CML 24JPN2222X
CML marking		Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc
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.