



Smartphone

Smart-Ex® 03

SMART-EX03-DZ1-AIC-C128-CLM-..

- 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
- 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
- Limiting the device to phone-relevant functions and restricting Android features
- Limiting the functions to those of a classic phone (only phone functions available)
- Allowing access only to the necessary phone functions
- Deactivation of all Google services

Smart-Ex 03 CLASSIC MODE, DZ1 (DIV 1 and Zone 1/21), Android™, with camera, 128 GB, global version



Technical Data

General specifications

Description	CLASSIC MODE with camera
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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
Optional data memory	
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
Brightness	
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

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

Electrical specifications		
Battery type		Li-Ion battery , 4400 mAh
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
Communication		
Mobile standard		
2G		GSM: 800 / 850 / 900 / 1800 / 1900 MHz
3G		WCDMA: B1, B2, B4, B5, B8 (850 / 900 / 1700 / 1900 / 2100 MHz)
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
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
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		
W x H x D		84 mm x 172 mm x 18 mm / 25 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 23 ATEX 1 094 X
ATEX marking		Ⓜ II 2G Ex ia IIC T4 Gb Ⓜ II 2D Ex ia IIC T135 °C Db Ta = -20 °C to +60 °C
International approvals		
IECEx approval		
IECEx certificate		IECEx EPS 23.0021X
IECEx marking		Ex ia IIC T4 Gb Ex ia IIC T135 °C Db Ta = -20 °C to +60 °C
UKCA approval		
UKCA certificate		EPS23 UKEX 1 095 X
UKCA marking		Ⓜ II 2G Ex ia IIC T4 Gb Ⓜ II 2D Ex ia IIC T135 °C Db
NEC/CEC approval		
NEC/CEC certificate		E115956_PRJ-17072

Technical Data

NEC/CEC marking	U.S. and Canada Class I Division 1 Group ABCD T4 Class II Division 1 Group EFG T4 Class III Division 1 U.S. Class I Zone 1 AEx ia IIC T4 Gb Zone 21 AEx ia IIIC T135°C Db Canada Ex ia IIC T4 Gb Ex ia IIIC T135°C Db
Approved for	Global
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.