



## Feature phone

### Ex-Handy10-ROW-DZ1AIC-ANDCCM..



- Provisioning of a full-fledged Android phone
- Limiting the functions to those of a classic phone
- Allowing access only to the necessary phone functions
- Adding self-developed ECOM apps, based on SMT suite
- SMT apps do not have any connection to online services
- All data is stored and remains on the phone locally
- Access to the settings menu to allow the user to personalize his phone

Ex-Handy 10 CLASSIC MODE, DZ1 (DIV 1 and Zone 1/21), Android™ 9, with camera, global version



## Technical Data

### General specifications

Function The Ex-Handy 10 is full WEA 2.0 compliant and is also supporting WEA 3.0 features / functionality except advanced geo location tagging.

Description CLASSIC MODE with Camera

### Hardware

Processor Qualcomm Snapdragon MSM8909

Working memory RAM 2 GByte

Camera

Main camera 8 MP Autofocus , LED flash

Optional data memory Micro SD flash card up to 128 GByte

Internal data memory 16 GByte

Speaker Forward facing main speaker with Gore® cone

Microphone Dual-mic solution with three selectable background noise suppression options

### Indicators/operating means

Display Can be operated while wearing gloves  
Extreme shock and scratch resistant Gorilla® glass

Touchscreen technology Capacitive multitouch

Screen diagonal 6.6 cm

Key PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

### Electrical specifications

Battery type Li-Ion battery 16.3 WH 3.7 V 4400 mAh

Operating duration LTE standby time: up to 600 h

### Communication

Mobile standard

2G GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz

3G UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz

4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71  
LTE TDD: B38, B39, B40, B41

WLAN 802.11 a/b/g/n/e/k/r/h (2,4 GHz + 5 GHz)

Bluetooth Bluetooth® 4.2

GPS sensor GPS, A-GPS, Glonass, Beidou

NFC yes

SIM card 1 x Nano SIM (4FF)

### Software

Operating system Android™ 9 , Android™ Zero Touch

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

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PEPPERL+FUCHS

**Technical Data**

Applications	CALCULATOR, CLOCK, CONTACTS, DIALER, eFLASH, eRESET, eSENTINEL, GALLERY, SMS Messenger
SMS/MMS	yes
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 330 g
Dimensions	
W x H x D	67 mm x 148 mm x 24 mm
<b>Data for application in connection with hazardous areas</b>	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 015 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
<b>International approvals</b>	
CSA approval	
CSA certificate	Class I, II, III, Division 1, Groups A-G, T4 Ex ib IIC T4 Gb / Ex ib IIIC T120°C Db CL I, Zone 1 AEx ib op is IIC T4 Gb Zone 21 AEx ib IIIC T120°C Db
IECEX approval	
IECEX certificate	IECEX EPS 19.0008X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
<b>General information</b>	
Scope of delivery	Ex-Handy 10 Li-Ion battery Charger USB cable Screwdriver Documentation












**Accessories**

	<b>CR-Ex H10</b>	Cradle for Ex-Handy 10
	<b>LH H10</b>	Leather holster
	<b>TC S02 Travel Charger (EU/UK/US/AU)</b>	Travel charger
	<b>LC H10</b>	Leather case for Ex-Handy 10
	<b>DS S02</b>	Docking station

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## Accessories

	<b>RL ID01</b>	Retractable lanyard
	<b>TORX T8 SCREWDRIVER</b>	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	<b>SUCTION CUP HOLDER</b>	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	<b>BC-Ex</b>	Belt clip with QuickFix
	<b>CC S01-R</b>	Car charger
	<b>ST 01</b>	Stylus pen
	<b>Tether ST 01 Stylus</b>	Stylus tether
	<b>MINI QD LOOP</b>	Mini QD loop
	<b>EXT-C2LCOIL</b>	Clip2Loop coil tether
	<b>PC S02</b>	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	<b>SC-Ex</b>	Spring clip with 4QuickFix