



Smartwatch

Smart-Ex Watch 01 ATEX / IECEx LTE

- ATEX/IECEx Zone 2/22
- Battery life of up to 7 days
- Intuitive operation via rotating bezel
- Can be combined with Smart-Ex 02 and Ex-Handy 10
- Simple inductive charging
- Wireless connections such as WWAN, 4G LTE, WLAN, etc.
- GPS
- eSIM

Smart-Ex® Watch 01, for Zone 2/22, with LTE



Technical Data

Hardware

Processor	Dual-Core 1.15 GHz
Working memory	RAM 1.5 GByte
Internal data memory	4 GByte
Sensors	Accelerometer, Gyro Sensor, Barometer, HRM, Ambient Light

Indicators/operating means

Display	Circular Super AMOLED Full Color Always On Display (AOD) Settings selectable with rotating bezel
Touchscreen technology	Capacitive multitouch
Screen diagonal	33 mm (1.3 ") (Main display) with Gorilla® Glass SR +
Resolution	360 x 360 (Main display)

Electrical specifications

Battery type	Li-Ion battery 1.81 WH 3.85 V 472 mAh
Operating duration	80 h (typically)

Communication

Mobile standard	3G WCDMA 4G LTE FDD
3G	UMTS: B1(2100), B8(900)
4G	LTE band: B1 (2100), B3 (1800), B7 (2600), B8 (900), B20 (800)
WLAN	802.11 b/g/n 2.4 GHz
Bluetooth	Bluetooth v4.2 Profile: A2DP, AVRCP, HFP, HSP
GPS sensor	yes
NFC	yes
SIM card	eSIM

Software

Operating system	Tizen-based wearables, OS 4.0
Languages	Deutsch , English (default)
SMS/MMS	yes

Playback formats

Audio	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB
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Ambient conditions

Ambient temperature	-15 ... 50 °C (5 ... 122 °F)
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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

Mechanical specifications

Mass	63 g (without strap)
Dimensions	Clock : 46 mm x 49 mm x 13 mm Wristband : 155 mm x 22 mm

Data for application in connection with hazardous areas

ATEX approval	
ATEX certificate	CML 19 ATEX2087X
ATEX marking	Ⓔ II 3G Ex ic IIC T5 Gc Ⓔ II 3D Ex ic IIIB T100 °C Dc

International approvals

IECEx approval	
IECEx certificate	IECEx CML 19.0061X
IECEx marking	Ex ic IIC T5 Gc Ex ic IIIB T100 °C Dc

General information

Scope of delivery	Smart-Ex® Watch 01 Charger Quick Start Guide Documentation
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