

# Mobile Computing and Communication



Solutions for Industrial Applications and Hazardous Areas

[www.pepperl-fuchs.com/ecom](http://www.pepperl-fuchs.com/ecom)

The Pepperl+Fuchs brand ecom, the global leader in mobile equipment for industrial applications and hazardous areas, offers solutions for mobile security and communication that can digitalize customer applications quickly and easily. The result is processes that are safer, more efficient, and more transparent.

Combined with Pepperl+Fuchs' comprehensive portfolio of devices for hazardous areas, ecom solutions enable new, innovative applications and complete solutions. Critical applications such as maintenance, inspection, and asset management can be completed safely in real time using industry-standard software and application solutions.



## Communication

Smartphone

### Smart-Ex® 02



- Android™ 9.0
- Dual-SIM
- 12 MP rear / 5 MP front camera (optional)
- LED flash with flashlight function
- 4400 mAh battery
- IP68

Zone 1/21 & Div. 1  
Zone 2/22 & Div. 2



Feature Phone

### Ex-Handy 10



- Android™ 8.1
- Nano-SIM
- 8 MP rear camera with autofocus (optional)
- LED flash with flashlight function
- 4400 mAh
- IP68

Zone 1/21 & Div. 1  
Zone 2/22 & Div. 2



Display	Processor and Memory	Communication
<ul style="list-style-type: none"> <li>■ 5-inch extreme shock- and scratch-resistant Gorilla® Glass with glove touch and wet mode</li> </ul>	<ul style="list-style-type: none"> <li>■ Qualcomm Snapdragon 450 platform</li> <li>■ 3 GB RAM</li> <li>■ 32 GB ROM</li> <li>■ With external microSD up to 128 GB</li> </ul>	<ul style="list-style-type: none"> <li>■ 4G / LTE standard</li> <li>■ WiFi 802.11 a/b/g/n/ac/e/k/r/h</li> <li>■ Bluetooth® 4.2</li> <li>■ GPS/A-GPS/GLONASS/BeiDou/Galileo</li> <li>■ NFC</li> <li>■ Supports 21 LTE bands</li> </ul>
<ul style="list-style-type: none"> <li>■ 2.6-inch extreme shock- and scratch-resistant Gorilla® Glass with glove touch and wet mode</li> </ul>	<ul style="list-style-type: none"> <li>■ Qualcomm Snapdragon MSM8909 platform</li> <li>■ 2 GB RAM</li> <li>■ 16 GB ROM</li> <li>■ With external microSD up to 128 GB</li> </ul>	<ul style="list-style-type: none"> <li>■ 4G / LTE standard</li> <li>■ WiFi 802.11 a/b/g/n/e/k/r/h</li> <li>■ Bluetooth® 4.2</li> <li>■ GPS/A-GPS/GLONASS/BeiDou</li> <li>■ NFC</li> <li>■ Supports 21 LTE bands</li> </ul>

Your automation, our passion.



# Mobile Computing

Android Tablet

## Tab-Ex® 02 DZ1



Zone 1/21 & Div. 1  
Zone 2/22 & Div. 2

- Android™ Oreo 8.1 or 9
- Global certifications—one common platform
- Samsung KNOX 3.2, facial recognition
- High-quality 8 MP/5 MP camera with autofocus function (optional)
- IP68 rated



Display	Processor and Memory	Communication
<ul style="list-style-type: none"> <li>8-inch TFT Gorilla® Glass</li> <li>480 nits brightness</li> <li>Capacitive multi-touch</li> <li>Face recognition</li> </ul>	<ul style="list-style-type: none"> <li>Exynos 7 Octa, 1.6 GHz Octa-Core (Cortex®- A53)</li> <li>RAM: 3 GB</li> <li>Memory: 16 GB, with external microSD (up to 256 GB)</li> </ul>	<ul style="list-style-type: none"> <li>LTE Cat.6—in LTE model</li> <li>Wi-Fi 802.11 a/b/g/n/ac</li> <li>Wi-Fi Direct</li> <li>Bluetooth® 4.2</li> </ul>

Windows Tablet

## Pad-Ex® 01 P8



Zone 2/22 & Div. 2

- Windows® 10 Pro
- 1920 x 1080: high-resolution display
- Widescreen display with sunlight readable solution
- 1-D / 2-D barcode scanner (optional)
- 5 MP autofocus camera with LED flash
- IP68 rated



<ul style="list-style-type: none"> <li>11.6-inch HD (1920 x 1080) LCD panel Gorilla® Glass</li> <li>Capacitive multi-touch</li> <li>Face recognition</li> </ul>	<ul style="list-style-type: none"> <li>Intel® Core™ i5 8th Generation</li> <li>One DDR4 socket for 8 GB</li> <li>M.2 SATA SSD 256 GB (extended temperature range)</li> </ul>	<ul style="list-style-type: none"> <li>WWAN LTE + GPS Combo (optional)</li> <li>Intel Wireless AC9260 802.11 a/b/g/n/ac</li> <li>Bluetooth® 5.0</li> </ul>
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# Peripherals

Camera

## Cube 800



Zone 1/21

- Efficient cooperation with mobile devices (e.g., Smart-Ex® 02)
- Dual camera system with HD optics and thermal imaging technology
- Remote collaboration via Onsite Connect
- Integrated laser pointer and light ring
- Multi-use design

	<ul style="list-style-type: none"> <li>48 GB onboard storage</li> <li>USB cable for file transfer</li> </ul>	<ul style="list-style-type: none"> <li>Onsite Connect software iOS 11, Android™ 5.0 or higher</li> <li>IEEE 802.11 a/b/g/n</li> <li>Dual band Wi-Fi (2.4 GHz and 5 GHz)</li> <li>Bluetooth® 4.1 (LE)</li> </ul>
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Smartwatch

## Smart-Ex® Watch 01



Zone 2/22

- Based on the Samsung Galaxy Watch
- Compatible with Smart-Ex® 02 and Ex-Handy 10
- Hands-free navigation via advanced voice control
- Powerful battery for up to 5 days of power
- GPS usage up to 28.5 hours

<ul style="list-style-type: none"> <li>Gorilla® Glass SR +</li> </ul>	<ul style="list-style-type: none"> <li>Exynos 9110 1.0 GHz CA53 Dual, T720 GPU, 10 nm / 8 x 9.5 FOPLP</li> <li>1.5 GB (LTE) / 768 MB (BT) + 4 GB</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11 b/g/n 2.4 GHz</li> <li>Bluetooth® A2DP</li> <li>AVRCP</li> <li>GPS</li> <li>GLONASS</li> </ul>
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BT Scanner

## Ident-Ex® 01



Zone 1/21 & Div. 1

- Easy to use with one hand
- Pairable with any Bluetooth® device
- Flexibility—online/offline scanning
- Changeable head modules
- Ideal for intensive scanning and 12-hour shifts
- 1-D and 2-D barcodes
- C1D1 Rated

	<ul style="list-style-type: none"> <li>Internal storage: 2 MB</li> <li>2-D QR barcodes = 600+ RFID* tags (ID only) = 5000+</li> </ul>	<ul style="list-style-type: none"> <li>Bluetooth® Class 2, up to approx. 10 m</li> </ul>
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\*Tag & environment dependent

# Peripherals



Loc-Ex® 01  
Bluetooth® Beacon



RSM-Ex 01  
Remote Speaker  
Microphone

# Digital Products and Services

## Staging and Enrolling

- eCSL-Custom Service Load
- Custom device preconfiguration
  - Delivered ready-to-use

## Configuring and Management

- eMDM-Mobile Device Management
- Update devices around the world simultaneously

## Device Diagnostics

- Analytics help avoid problems and correct errors

