

Securing a competitive edge.
Shaping the future.
Exploring mobility.

ecom
A PEPPERL+FUCHS BRAND

Tablets For Industrial and
Hazardous Areas



Your automation, our passion.

f PEPPERL+FUCHS

Use Synergies. For Mobility Beyond Company Boundaries.

Industry 4.0 and IIoT create unique opportunities and challenges. ecom from Pepperl+Fuchs offers mobile solutions to help users master the requirements of networked operating and production processes.

The whole is more than the sum of its parts. Processes can only run smoothly when the individual elements of a digitized solution are coordinated and users can exploit their full potential.

ecom — Experts in Mobile Computing and Communication



As a global market leader for mobile industrial equipment in potentially explosive areas, ecom has been firmly established in numerous markets for decades. Solutions for mobile security and communication ensure customer applications can be digitized easily and quickly.

This opens up completely new possibilities and significantly enhances the safety, efficiency, and transparency of operational procedures. Conventional applications are catered for perfectly, while the ideal foundation is also laid for Industry 4.0/IIoT applications.

www.ecom-ex.com

Pepperl+Fuchs — A Partner to the Automation Industry

Pepperl+Fuchs is one of the world's leading companies for industrial sensors and explosion protection. Since 1945, we have been developing components and solutions that are not only individually tailored to the requirements of the automation industry, but also provide optimum support for customer processes and applications.

This applies in particular to the future-oriented topic of Industry 4.0: Pepperl+Fuchs reinterprets tried-and-tested technologies and develops innovations that pave the way for Industry 4.0 applications.

www.pepperl-fuchs.com



ecom from Pepperl+Fuchs — Synergies for Unique Solutions in Explosion Protection

The name Pepperl+Fuchs has been synonymous with high-quality products, services, and solutions for process systems in potentially explosive atmospheres and harsh industrial environments for over 70 years. As a firmly established partner to the process industry, the umbrella brand of Pepperl+Fuchs incorporates a wide range of industrial sensors and Ex equipment, which ideally complements ecom's mobile solutions at an infrastructure level.

These synergies open up completely new, innovative applications and harmonious overall solutions, which provide our customers with an essential competitive edge when it comes to Industry 4.0.

Sophisticated Solutions from a Single Source

No single component is decisive for the successful digitization of applications by mobile devices, but rather an interlinked solution based around the networked Mobile Worker. Depending on the requirements, this can go as far as the connection to higher-level, decentralized information systems such as ERP and MES. ecom offers total solutions, including partners for software solutions, installation, and SLAs (Service Level Agreements), as well as an extensive app library to ensure the implementation of such concepts is as easy, reliable, and secure as possible.

Discover the benefits of the Mobile Worker concept at www.ecom-ex.com

Samsung Electronics – Cutting-Edge Technology for Industrial Applications

By partnering with Samsung Electronics, ecom has a partner that is not only a global leader in the consumer sector, but is also a pioneer for industrial tablets. The success of the world's first series of tablets for use in potentially explosive atmospheres is proof of the benefits that the synergies between the two experts can offer the customer reliability, efficiency, and maximum investment security.



An Extensive Range of Accessories for All Tab-Ex® Series

ecom solutions are rounded off by a wide selection of accessories and peripherals. Tab-Ex® 01 accessories are fully compatible with the new series – a further benefit for enhanced efficiency.

Accessories



DC T01 X2
Five-bay
desktop charger



LC T01 X2
Leather case



CH T01 X2
Chest-strap
carrying system



Ident-Ex® 01
Auto ID scanner



Loc-Ex® 01
Bluetooth beacon



Ex-RSM Aurelis BT
Bluetooth
speackermic

Compatible products

For more accessories and peripherals, please visit www.ecom-ex.com

Designed for Your Application, Detail by Detail

Higher processing power, enhanced security, improved image quality, and easier operation: the new Tab-Ex® 02 series offers numerous functions that further enhance mobility for both conventional and future applications. Versions are available for use in harsh environments and DZ2 (Zone 2/Div. 2), while the DZ1 (Zone 1/Div. 1) device will be available from fall 2018.



Rugged



DZ2



DZ1

Sensor/gyroscope (magnetic compass)

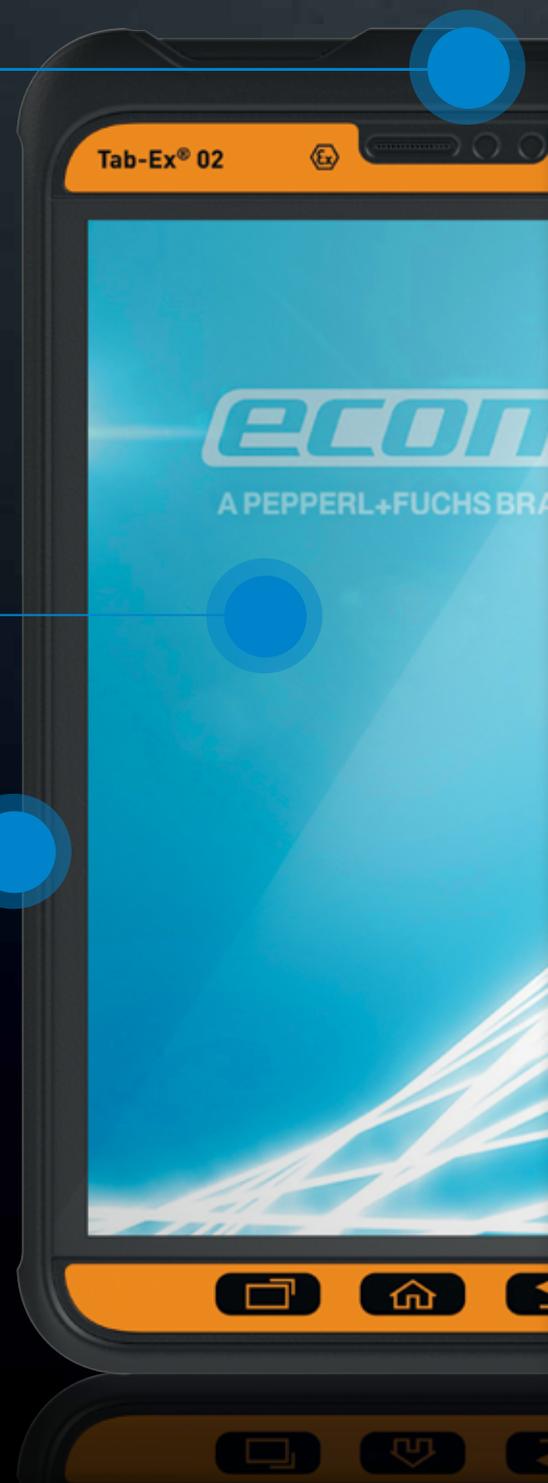
- Enables augmented reality to optimize applications
- Ensures processes are safer, faster, more efficient, and more transparent

Samsung Knox

- High data security
- Easy to use
- Simple to configure and customize

Rugged design with protection class IP 68 and MIL standard

- Offers a wide variety of applications, suitable for use in harsh environments
- Adds reliability
- Reduces risk of failure and total cost of ownership





High-quality 8 MP/5 MP camera with autofocus function

- High image quality even in low light conditions
- Auto ID: scan barcodes and QR codes
- Detailed presentation of augmented-reality applications
- Face recognition

Fast processor and high storage capacity

- **Flexible:**
A larger number of more complex applications can be integrated
- **Future-proof:**
Fulfills the requirements of future, more elaborate applications
- **Time-saving:**
High computing power for faster data processing

Powerful battery

- 4,450 mAh

High-performance operating system

- Android Nougat 7.1

Pogo pins

- Easy to use
- Secure, excludes of human error
- Wearproof



ecom
A FEPPERL-FUCHS BRAND
ecom instruments GmbH
Industriestraße 2 | 97959 Assamstadt | Germany

Tab-Ex 02 DZ2 WWAN

NFC-Antenna →



WARNING – do not open the device in the hazardous location!
WARNING – do not use the USB connector in the hazardous location!
WARNING – do not charge or replace the battery in hazardous location!
WARNING – use only the battery pack of type EB-BT3658B*

Device Cover must be employed before entering the hazardous location!
Device is safe when used per Control Drawing 300043ALXXX

II 3G Ex ic IIC T4 Gc IP64
II 3D Ex ic IIIB 100°C Dc IP64

EPS 18 ATEX * ***
IECEX EPS 18.***
-20°C ≤ Ta ≤ +55°C



+30°C ≤ Tst ≤ +22°C
IECEX E62 18.***
EPS 18 ATEX

Tab-Ex® 02 Provides Mobility for Industry 4.0 Challenges

Mobilizing digital applications — this is what the “Exploring Mobility” credo of the Pepperl+Fuchs brand, ecom, is all about. Building on the foundation of the world’s first series of tablets for hazardous areas, the second-generation Tab-Ex® 02 offers innovative features that make Industry 4.0/IIoT applications easy to implement. This helps companies make the most of digitization while also increasing productivity.

Mobile Solutions Enhance Efficiency During Operation

The new Tab-Ex® 02 makes your system transparent: an insight into various processes has been further optimized and is now even more user-friendly. The integration of augmented reality applications and the connection to higher-level information systems combines virtual and real process data.

This not only provides information about device status and process data, but it can also identify the appropriate system equipment, preventing malfunctions. Users can also pragmatically navigate through the system, ensuring secure and efficient processes.



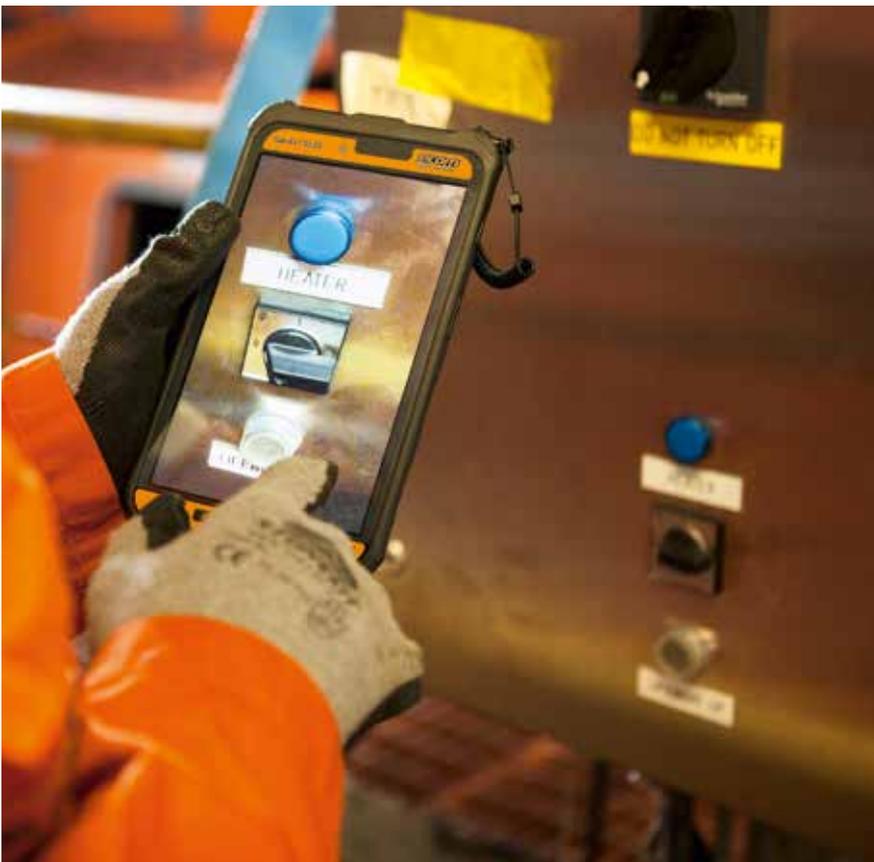
For an overview of application possibilities, visit:
<https://www.ecom-ex.com/apps/>

Maintenance in Line with Industry 4.0

The same applies for maintenance: processes and related information are no longer simply visible, but are superimposed directly on the display — without any navigation whatsoever.

This enables real-time maintenance. Users can access maintenance cycles and corresponding documentation on-site — for instance, in an SAP cloud.

Predictive maintenance is also possible, based on deviations in the measured values. Issues can be identified and fixed automatically, and failures can be prevented more reliably.



Successful Turnaround Management Minimizes Downtime

System shutdown and start-up procedures involve sensitive and time-critical processes with numerous coordinated activities.

Tab-Ex® 02 offers support with augmented reality-based applications: error-free shutdown and start-up procedures can be carried out quickly and efficiently with standardized support.

Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity