

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

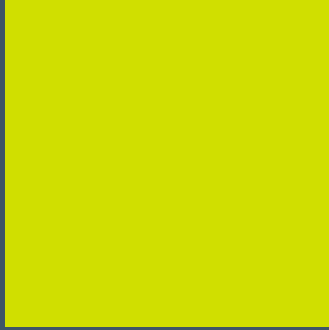
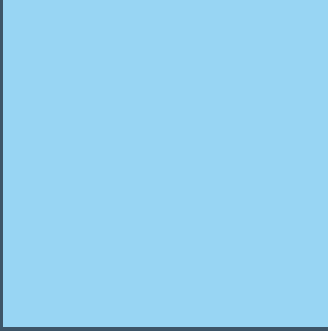
Tablets For Industrial and
Hazardous Areas

ecom
A PEPPERL+FUCHS BRAND



Your automation, our passion.

pf PEPPERL+FUCHS



Ready for global use

The Tab-Ex® Series 02 comes with all usual international certifications (further approvals in preparation or on demand).



Tab-Ex® 02: State of the Art Industrial Smart Mobility— Now Available for Every Application Worldwide

The Pepperl+Fuchs brand ecom launches its latest series of tablets for industrial applications. An unrivalled portfolio of high-performance devices for every requirement, industry, and environment is now available—up to Zone 1/21 / Division 1, and with all common international certifications.

More Flexible Than Ever: The Right Tablet for Every Requirement

With the DZ1 version of the Tab-Ex® 02 series, the Pepperl+Fuchs brand ecom introduces a range of applications that is unique on the market. The Samsung-based devices are available in different versions: a rugged industrial model for non-hazardous areas, a Zone 2 / Division 2 model, and now a Zone 1/21 / Division 1 model for hazardous areas. No matter where you work, Tab-Ex® has you covered.

The ecom Tab-Ex® Series: A Success Story

Tab-Ex® 02 from ecom carries on the legacy of its predecessor. In 2015, Tab-Ex® 01 was the first tablet series in the world equipped for industrial use in hazardous areas. Today, it is the most widely used technology worldwide—including by well-known global players such as Shell. There are two keys to this success: ecom's 30 years of experience and expertise in explosion protection for mobile devices and Samsung's cutting-edge technology as a pioneer for industrial tablets. No tablet series is more field-tested and approved, and none is built on so much experience.



Samsung Knox—Reliable Mobile Data Security

Samsung Knox offers companies unmatched security. Unlike standard industrial tablets, security on the Tab-Ex® 02 is not only ensured by software, but is also anchored in the hardware itself. The Samsung Knox platform is built into tablets during production and consists of overlapping defense and security mechanisms that protect against malicious threats, malware, and intrusions. Your confidential enterprise data are in safe hands.



Designed for Your Application, with All Your Needs Considered

Sensor/gyroscope (magnetic compass)

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

Samsung Knox

- Reliable enterprise mobile data security
- Secured with hardware and software platform
- 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
- Optimized for use with gloves



All details about the Tab-Ex® 02 series can be found at www.ecom-ex.com.

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
- Up to 11 hours battery life

High-performance operating system

- Android Oreo 8.1

Pogo pins

- Easy to use
- Secure, avoids human error
- Wearproof

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.

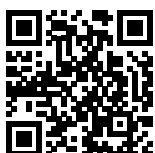


Augmented reality software makes business processes transparent and mobile data management easy to handle.

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.



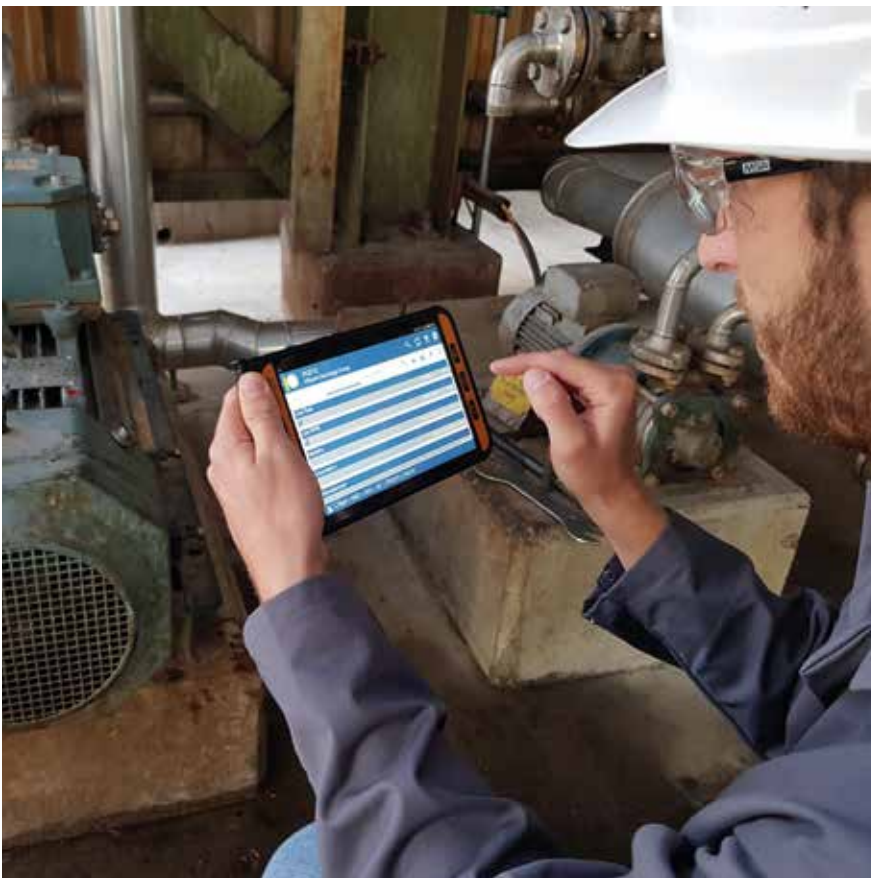
For an overview of application possibilities, visit:
<https://www.ecom-ex.com/apps/>

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.

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 principle applied is: 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.

Safety, efficiency, and transparency of operational procedures are enhanced. 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 individually tailored to the requirements of the automation industry.

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.

**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.



Mobile All Around: Peripherals and Accessories for Efficient Mobile Worker Solutions

Making digital mobile—ecom’s Mobile Worker concept offers end-to-end mobility solutions for real-time communication and on-site data collection. The key advantage: a sharp increase in productivity and efficiency.

HART Communication for Hazardous Areas

- Complete HART DD Library and HART communication software preinstalled on tablets
- Wireless connectivity
- Wireless Bluetooth® interface between Viator® HART modem and tablet provides user-friendly configuration and diagnostics
- All components including HART modem are certified for use in hazardous areas in accordance with CSA (Class 1, Division 1), ATEX, and IECEx



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

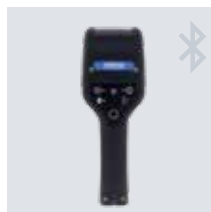


LC T01 X2
Leather case

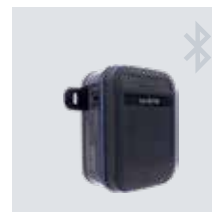


CH T01 X2
Chest-strap
carrying system

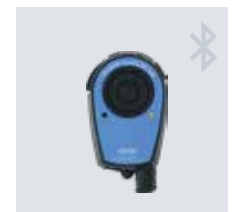
Compatible Products



Ident-Ex® 01
Auto ID scanner



Loc-Ex® 01
Bluetooth beacon

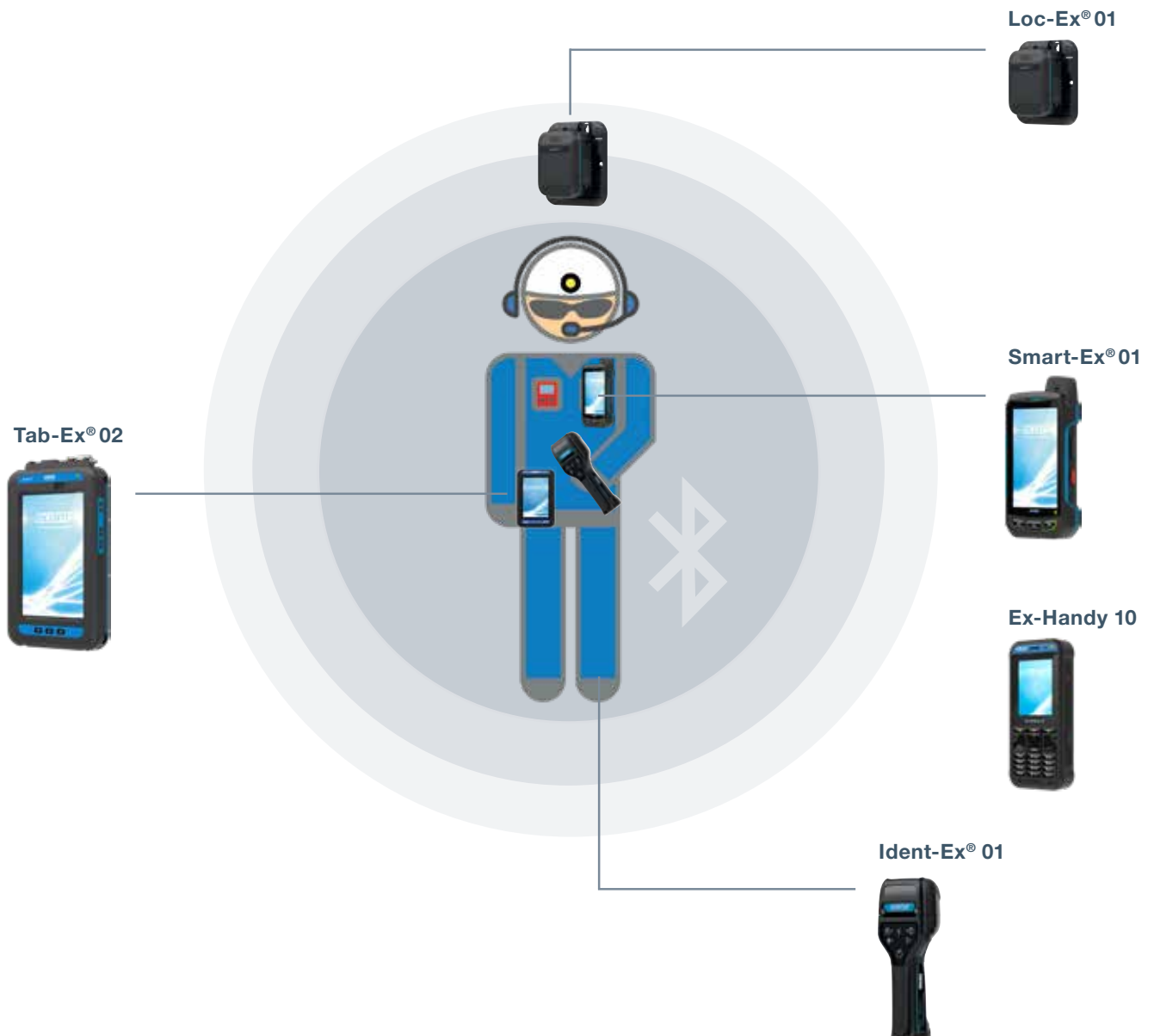


Ex-RSM Aurelis BT
Bluetooth
speaker/mic

Innovative Solutions from a Single Source

An interconnected, intercompatible solution concept is essential for networked mobile employees. Every mobile device can be enhanced with a range of peripheral devices, accessories, and software solutions. The result is a system that opens up all communication and information channels while enabling mobility. In addition, all Tab-Ex® 01 components are compatible with the new generation and can be used long term.

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



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

Pepperl+Fuchs Quality

Download our latest policy here:

www.pepperl-fuchs.com/quality

