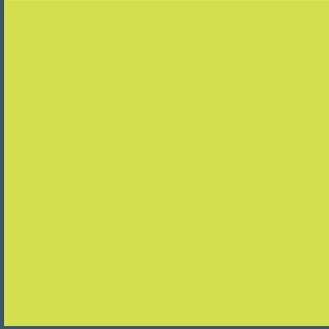
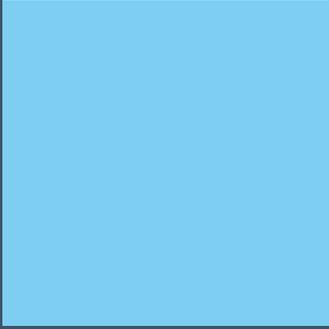
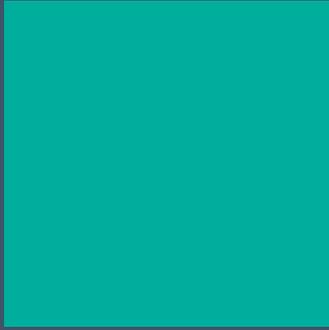


**Digitalizing hazardous areas.
Enabling connectivity.
Enhancing mobility.**

Tablets For Industrial and
Hazardous Areas





Ready for Global Use

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



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

The Pepperl+Fuchs brand ecom is launching its latest series of tablets for industrial applications. An unrivaled 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 Zone 2, Division 2 model, and now a Zone 1/21, Division 1 model for hazardous areas. The DZ1 Mining version of the Tab-Ex® 02 series is for Group I, Category M2 mining applications with equipment protection level Mb. 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 cutting-edge technology from Samsung, a pioneer for industrial tablets. No tablet series is more field-tested and approved, and none is built on so much experience.



Samsung Knox offers companies unmatched security. Unlike standard industrial tablets, Tab-Ex 02® security 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 is in safe hands.



Designed for Your Application, with All Your Needs in Mind

Sensor/gyroscope (magnetic compass)

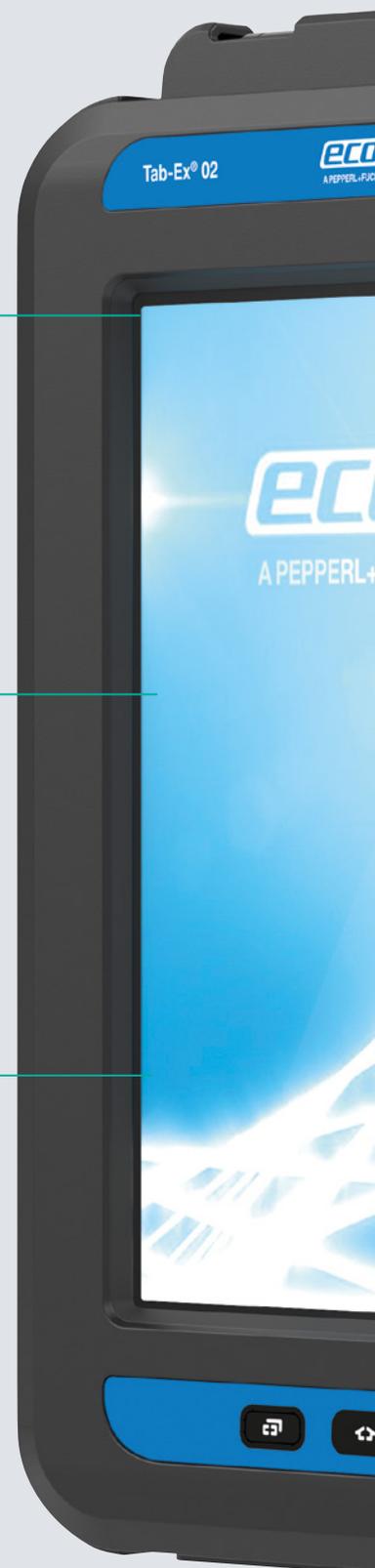
- Enables Augmented Reality to optimize applications
- Ensures processes are safer, faster, more efficient, and more transparent

Samsung Knox 3.2

- Reliable enterprise mobile data security
- Secured with hardware and software platform
- Easy to use
- Simple to configure and customize

Rugged design

- IP64 according to EN/IEC 60079-0 (ATEX/ IECEx)
- IP65 according to EN/IEC 60259 (industrial standard)
- Developed for 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.pepperl-fuchs.com/tab-ex-02

High-quality 8 MP + 5 MP cameras with autofocus function

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



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 of battery life
- Li-Ion battery 3.8 V / 16.91 Wh

High-performance operating system

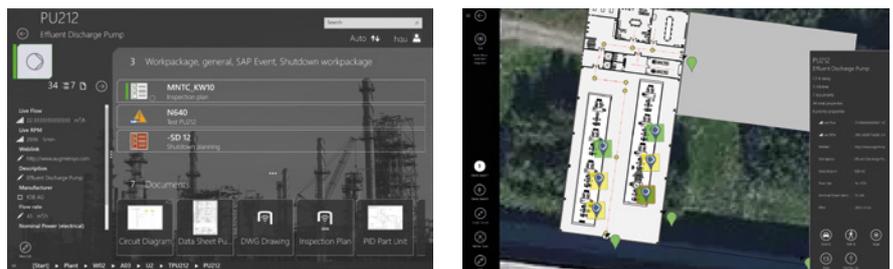
- Android™
Latest firmware release

Pogo pins

- Easy to use
- Secure, prevents 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: insight into various processes has been optimized further 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-life process data.

This not only provides information about device status and process data, but it also identifies the appropriate system equipment, preventing malfunctions. Users can also navigate through the system intuitively.



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 also 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.

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



Accessories and Peripherals

ecom solutions are rounded off by a wide selection of accessories and peripherals. Tab-Ex® 02 accessories are fully compatible with the new series—a further benefit for enhanced efficiency.

Accessories

Charging solutions

- Docking station
DS T01 X1 (DZ1)
- Five-bay desktop charger
DC T01 X2 (DZ2)

Carrying solutions

- Leather case
LC T01 X1 (DZ1) / LC T01 X2 (DZ2)
- Chest Harness
CH T01 X1 (DZ1) / CH T01 X2 (DZ2)

Additional accessories can be found at www.ecom-ex.com

Compatible Peripherals

<p>Smart-Ex® Watch 01</p> <p>Smart Watch</p>		<p>Ident-Ex® 01</p> <p>Auto ID Scanner</p>	
<p>CUBE 800</p> <p>Ex-Camera</p>		<p>RSM-Ex® 01</p> <p>Remote Speakermic</p>	

Mobile Worker Concept: Innovative Solutions from a Single Source

Pepperl+Fuchs offers a range of coordinated peripherals, accessories, and software solutions as an ideal complement to the Tab-Ex® 02 Tablet.

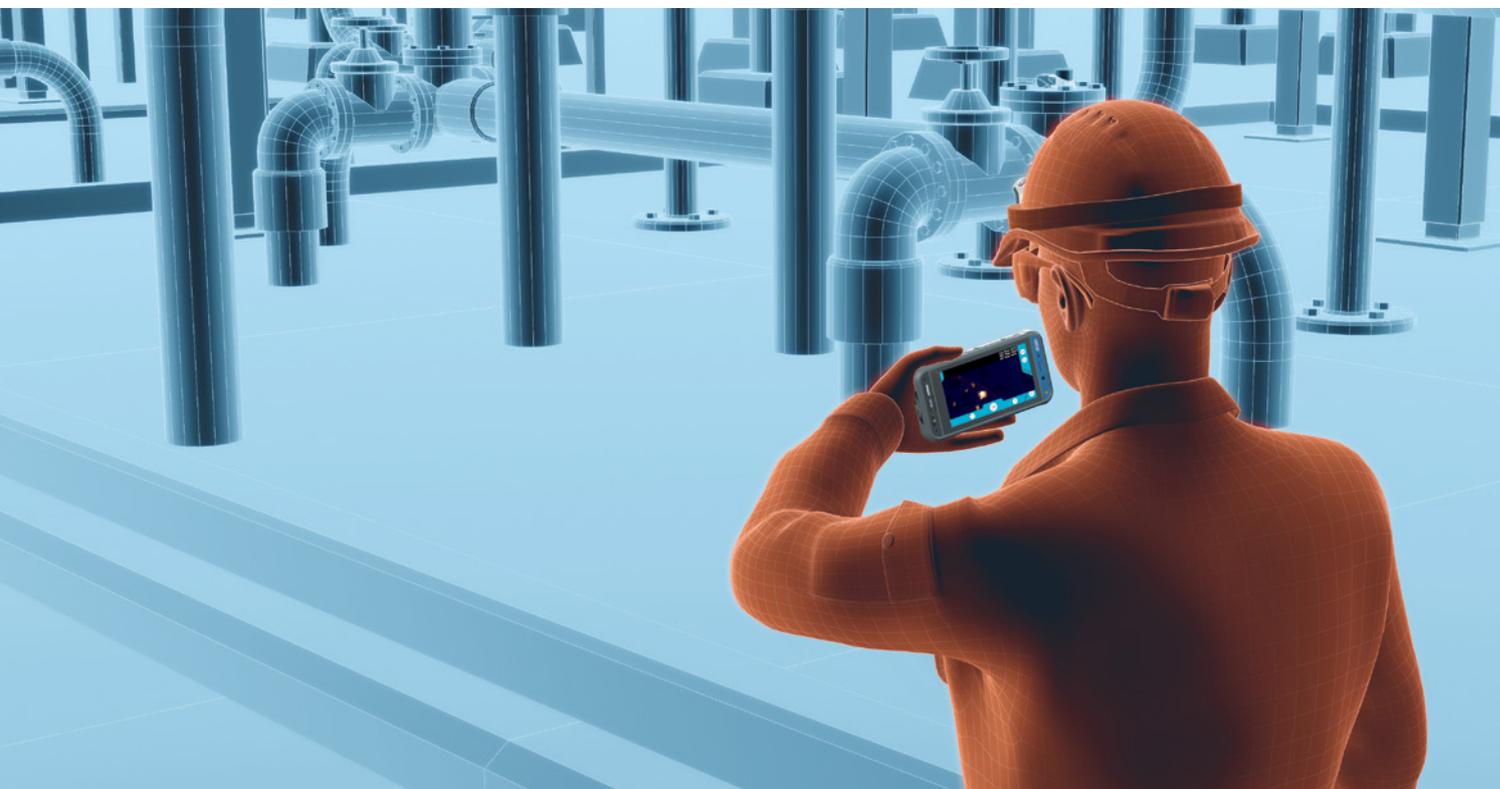
Exploring Mobility

Organizations are starting to realize how mobility solutions can benefit their business. Today, the focus is on technologies that reduce costs and improve efficiency. Game-changing breakthroughs in mobile computing and communication technologies are enabling industries to improve workforce

productivity, data quality, and the speed and accuracy of decision-making. The Internet of Things (IoT) will become increasingly important in the industrial sector and will change the way companies deploy labor to use resources more effectively.



Digitalizing hazardous areas. Enabling connectivity. Enhancing mobility.



The Pepperl+Fuchs brand ecom is a leading manufacturer of comprehensive solutions for intrinsically safe mobile computing and industrial communication in hazardous areas.

Since 1986, ecom has played a key role in pioneering explosion protection for mobile devices. The company has demonstrated its technological expertise with a number of innovations and tried-and-tested mobile solutions—from intrinsically safe smartphones, cell phones, and tablets to accessories like wireless headsets and barcode scanners. ecom's new Digital Products and Services platform completes the portfolio, offering automated staging during device production, mobile device management, and device analytics; the platform can also be used as a full-fledged enterprise mobility management system.

Each of ecom's solutions combines uncompromised security with the highest level of functionality, and includes all necessary approvals and certificates for global use. A global sales and support network with service centers in Germany, the US, Singapore, and the United Arab Emirates completes the range of products.

Customers around the world know the Pepperl+Fuchs Group as a pioneer and innovator in electrical explosion protection and sensor technology. Building on decades of experience and technical leadership, the company develops components and solutions tailored to the needs of its customers. Solutions for mobile safety and communication from the Pepperl+Fuchs brand ecom enable customer applications to be digitalized quickly and easily. This opens up completely new possibilities and increases the safety, efficiency, and transparency of operations in both conventional and Industry 4.0 applications.

For more information about ecom, visit:
www.ecom-ex.com and www.pepperl-fuchs.com

Digital Products and Services

Digital Products and Services is a solution that combines automated staging, mobile device management, and device analytics. It can also be used as a full-fledged enterprise mobility management system if desired.

At the customer's request, ecom's mobile devices can ship from the factory with predefined custom configurations such as security settings, applications, and wireless setup. This allows devices to be used anywhere in the world immediately upon delivery—manual configuration is not necessary.

The devices can be managed via the ecom online platform and updated remotely at any time during operation without having to be sent to local IT staff or the head office.

Cloud servers hosted in Germany meet the highest data protection standards and guarantee high data availability and security.

One-time staging and enrolling can also be done internally via ecom's production servers. If desired, device diagnostics and analytics can collect real-time operational data and fault analyses to continuously monitor device status and fix malfunctions preventively or immediately.

Additionally, the platform analyzes historical data to detect software events, installations, and other safety-critical processes. A statistical accumulation of events can be used to establish correlations and causalities between software errors, geographical data, and Wi-Fi coverage, for example.

Digital Products and Services is a ready-to-use service that ensures quality and security for all devices. This saves time and valuable resources.

Watch the video to learn more about the **ready-to-use service** that ensures **quality and security** for all devices.



Digital Products and Services

Staging and Enrolling

eCSL—Custom Service Load

- Custom device preconfiguration
- Delivered ready-to-use

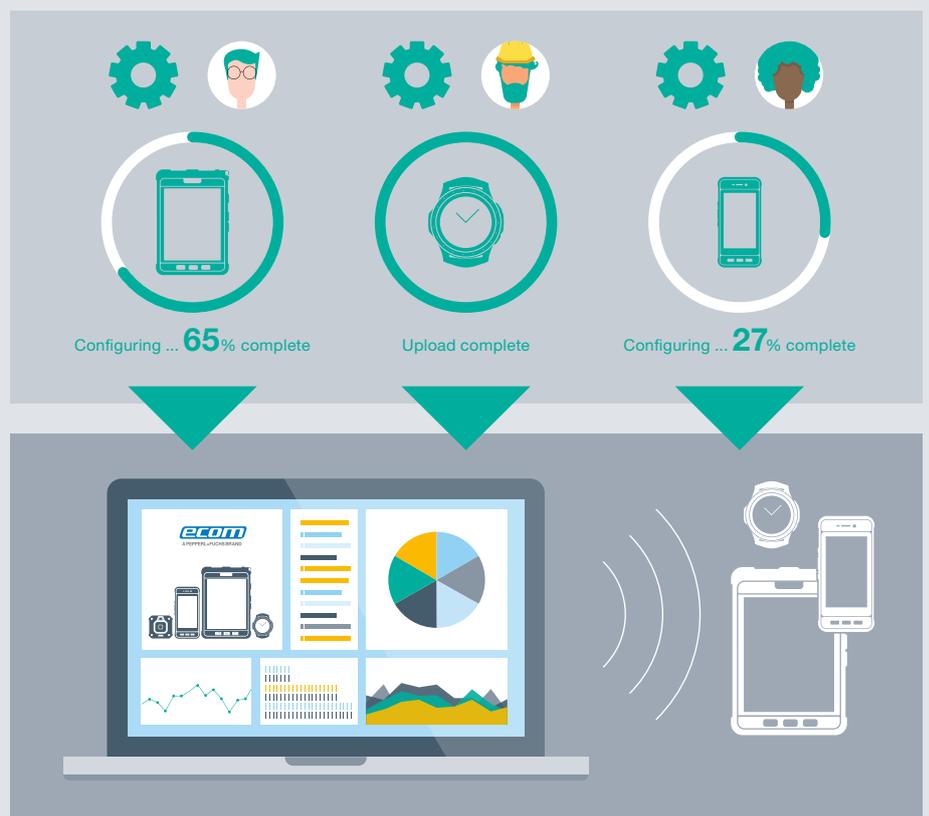
Configuring and Management

eMDM—Mobile Device Management

- Update devices around the world simultaneously

Device Diagnostics

- Analytics help avoid problems and correct errors



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

