

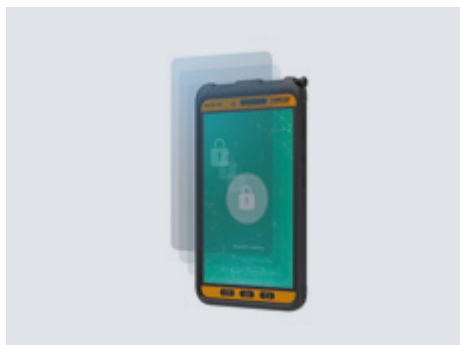
The Next Generation of 8" Android Tablets for Use in Hazardous Areas

The rugged, highly secure, and hazardous area-rated tablet Tab-Ex® 03 continues the success story with the 3rd generation 8" Tab-Ex® series. The Tab-Ex® 03 DZ2/D2 comes in a slim and lightweight design with a new high-performance operating system that powers the tablet with industry-leading performance in hazardous areas. The Samsung DeX function turns the compact tablet into a full desktop computer, and additional accessories, peripherals, digital products, and services ensure superior flexibility.



Total Reliability, Assuring User-Friendliness

ecom's new 8" Android tablet Tab-Ex® 03 DZ2/D2 comes in a slim and lightweight design. Despite the slim form factor the tablet ensures high performance for use in Zone 2/22 and Div. 2. The multitouch display can be operated with an S Pen and with gloves, and offers optimal readability even in direct light. From indoor pharmaceutical applications to harsh ambient conditions, the Tab-Ex® 03 is designed for use in temperatures ranging from -20 °C to +55 °C and in the most demanding industries. As a proven product for industrial and harsh environments, it stands for a long-term strategic partnership with Samsung.



Advanced Security, Protecting Data and Device

Based on Samsung's state-of-the-art Galaxy Tab Active3, the device ensures high data and device security via Google Android™ operating system and Samsung Knox. The Tab-Ex® 03 supports all Knox features like mobile enrollment, configuration management and E-FOTA. Besides biometric authentication and a baseline protection against malware, privacy hacks and more, the basic device, Samsung Galaxy Tab Active3, is part of the Android Enterprise Recommended (AER) program. Devices awarded with Android Enterprise Recommended fulfill the highest performance and security requirements of Google.



Efficiency to Go, Taking Mobile Working to New Dimensions

Via Samsung DeX mode, the Tab-Ex® 03 can be quickly and easily connected to a keyboard, mouse, and monitor in the office, providing a full desktop experience and offering with its one-device-strategy a cost-saving, equal alternative to desktop PCs. Charging and data transfer take place via a pogo pin connector. Special keys on the new Tab-Ex® 03 can be customized—for example, as an emergency key for maximizing safety. Google ARCore™ is used to implement important augmented reality applications, such as remote support and training, and tailor-made tools for predictive maintenance. These features support quality assurance and make plants safer. Pepperl+Fuchs' and ecom's Digital Products and Services complete the solution with ready-to-use devices optimized for individual requirements.

Operating System

- Android™ 12

Memory

- 4 GB RAM
- 512 GB additional memory via microSD
- 64 GB internal memory

Samsung DeX

- Connect to keyboard, mouse, and monitor

Dedicated Keys

- Free programmable key, e.g., for emergency calls, alarms or push-to-talk (PTT)

Two Cameras

- 13 MP camera with autofocus and LED flash + 5 MP front camera
- Optional: Non-camera

Power

- Powerful Li-ion Battery
5050 mAh (Typical)
4900 mAh (Rated)

Extended Temperature Range

- -20 °C ... +55 °C

Connectivity

- WLAN 802.11 a/b/g/n/ac/ax (2.4 GHz), Wi-Fi 4, 5, 6 (2.4 GHz + 5 GHz), 2x2 MIMO
- Bluetooth® 5.0
- Wi-Fi Direct
- NFC EMV L1



More information:
pepperl-fuchs.com/pf-tab-ex-03

Highlights



The slim and lightweight 8" Android Tablet for use in Zone 2/22 and Div. 2



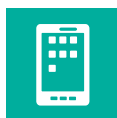
Latest Android™ operating system: quick, safe, and efficient



Connect a keyboard, mouse, and monitor via Samsung DeX mode for a full desktop experience



Ultra-rugged multitouch display can be operated with gloves and S Pen



Based on Samsung's state-of-the-art Galaxy Tab Active3, MIL-STD-810H certified



Digital Products and Services provide a ready-to-use service that ensures quality and security

Tab-Ex® 03



Tab-Ex® 03 D2



Tab-Ex® 03 DZ2

Extensive Range of Accessories and Peripherals from a Single Source

Components such as the Viator Bluetooth® HART Interface expand the range of applications for the new Tab-Ex® 03 and are perfectly suited for future IIoT solutions.

Accessories

- LC T03 leather case
- CH T03 chest harness
- Belt clip
- Carrying strap

Additional accessories can be found at
[pepperl-fuchs.com/
pf-mcc-accessories](https://pepperl-fuchs.com/pf-mcc-accessories)

Compatible Peripherals

Viator Bluetooth® HART Interface

Modem



Ident-Ex® 01

Barcode scanner/
RFID reader



RSM-Ex 01

Remote Speaker
Microphone



Operating system	Android™ Unless otherwise specified, the product is shipped with the latest firmware release. Latest firmware release: Android™ 12
Chipset	Exynos 9810 (Lhotse) Octa-Core 64-Bit; 4 x 2.7 GHz, 4 x 1.7 GHz
RAM	4 GB
Internal data memory	64 GB, free available memory 48.6 GB
microSD	512 GB (optional), up to 1 TB possible
Display	1920 x 1200 pixels (WUXGA), 8", TFT, 480 nit brightness, operation: also with gloves/in wet conditions & snow
Sensors	Accelerometer, gyro sensor, geomagnetic sensor, hall sensor, RGB light sensor, proximity sensor
Dimensions	213.8 mm x 126.8 mm x 9.9 mm, approx. 610 g
Operating temperature	-20 °C ... +55 °C
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEX)
Connectivity	<ul style="list-style-type: none"> ■ Wi-Fi 802.11 a/b/g/n/ac/ax (2.4GHz + 5GHz), 2x2 MIMO ■ Bluetooth® 5.0 ■ Wi-Fi Direct ■ NFC EMV L1 ■ GPS, GLONASS, BeiDou, Galileo ■ USB 3.1 Type-C ■ Wi-Fi does not support cellular
Frequency bands	<p>Supported cellular frequency bands:</p> <ul style="list-style-type: none"> ■ 4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B28, B66 ■ 4G LTE TDD: B38, B40, B41 ■ 3G UMTS: B1, B2, B4, B5, B8 ■ 2G GSM: 850 / 900 / 1800 / 1900 MHz <p>US-Version: LTE-Support: AT&T, Sprint, T-Mobile, Verizon</p> <p>Supported cellular frequency bands:</p> <ul style="list-style-type: none"> ■ 4G LTE FDD: B2, B3, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B66, B71 ■ 4G LTE TDD: B41 ■ 3G UMTS: B1, B2, B4, B5, B8
SIM	1x Nano SIM (optional)
Security	Samsung KNOX, Face Recognition
Camera: Rear + front	13 MP AF + 5 MP/optional: Non-camera
Battery capacity	Li-ion battery 3.8 V/18.87 Wh/4900 mAh/runtime of up to 11 hours
Applications	Google ARCore, MDM Systems

The World's First 10" Android Tablet for Hazardous Areas

The new Tab-Ex® Pro is the next major component in ecom's successful tablet series. Featuring the world's first 10" display with Zone 2/22 and Div. 2 approvals, the device is ideal for web-based content and the most demanding Industry 4.0 applications. The Samsung DeX function turns the compact tablet into a full desktop computer, and additional accessories, peripherals, digital products, and services ensure superior flexibility.

Total Reliability, Global Use

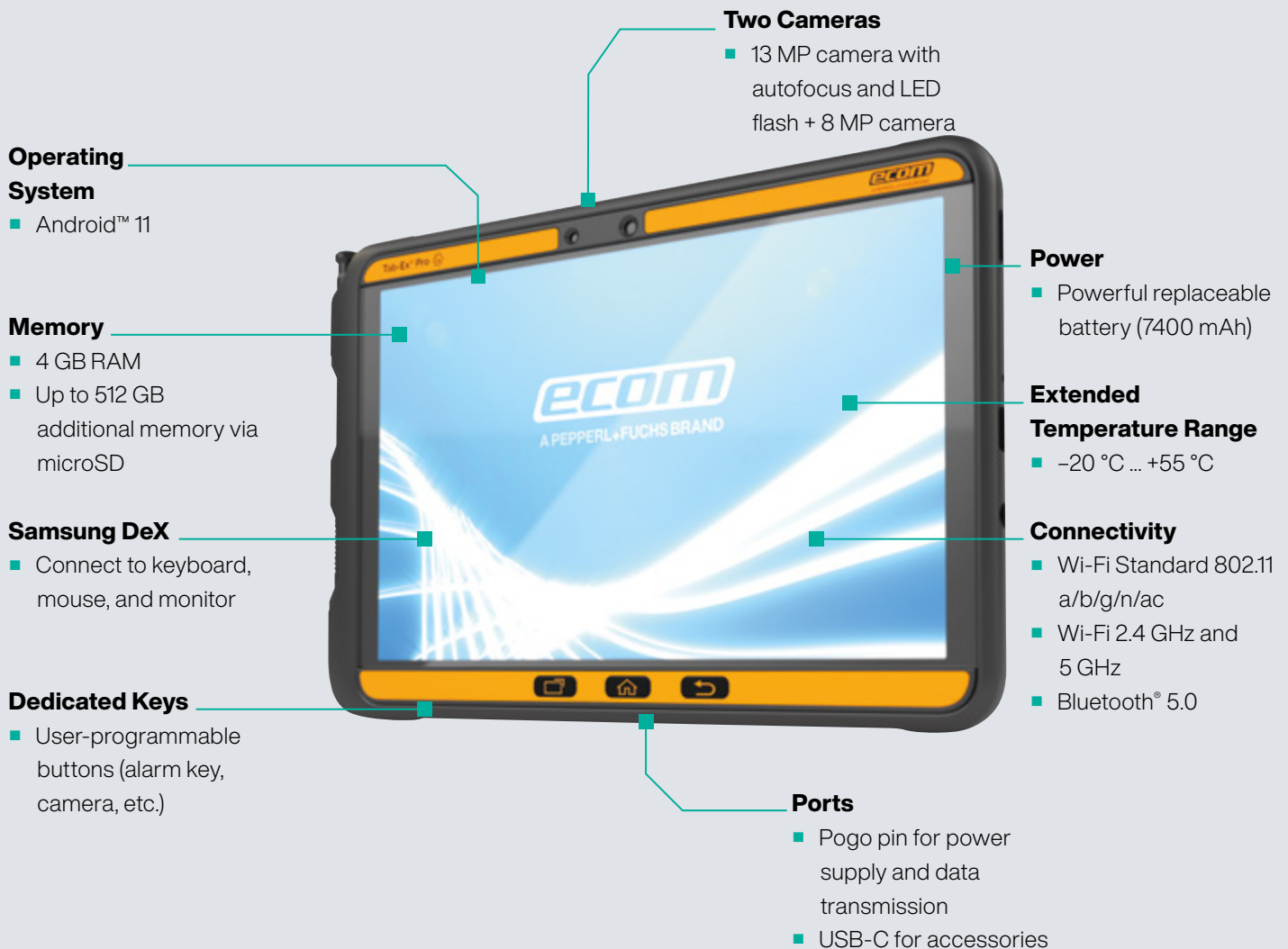
ecom's new Tab-Ex® Pro is the world's first 10.1" Android tablet to be certified for Zone 2/22 and Div. 2. Based on the Samsung Galaxy Tab Active Pro, the device stands for tested quality, compatibility, and a long-standing, successful partnership with Samsung. Despite the large screen, the tablet is impressively slim, lightweight, and easy to use. The multitouch display

can be operated with an S Pen and with gloves, and offers optimal readability even in direct light. From indoor pharmaceutical applications to environments—the Tab-Ex® Pro is designed for worldwide use in temperatures ranging from -20 °C to +55 °C in the most demanding industries.

High Security Standards, Complete Protection

By combining Samsung Knox with the Android operating system, ecom's Tab-Ex® Pro ensures that company data and processes are secure. The multilayered security mechanisms of the Knox platform work together to protect against viruses, malware, and similar threats. For additional security and convenience, the device offers biometric authentication via facial recognition and a fingerprint scanner (only valid for the D2 version).





More information:
pepperl-fuchs.com/pf-tab-ex-pro

Highlights



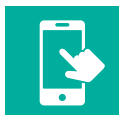
World's first 10" Android tablet for Zone 2/22; Division 2



Latest Android™ operating system: quick, safe, and efficient



Connect a keyboard, mouse, and monitor via Samsung DeX mode for a desktop-like experience



Ultra-rugged 10" multitouch display can be operated with gloves



The wide screen is designed for IIoT and web-based applications



Digital Products and Services provide a ready-to-use service that ensures quality and security

Tab-Ex® Pro



Tab-Ex® Pro D2



Tab-Ex® Pro DZ2

Extensive Range of Accessories and Peripherals from a Single Source

Components such as desktop charger, remote speaker microphone (RSM), and headsets expand the range of applications for the new Tab-Ex® Pro and are perfectly suited for future IIoT solutions.

Accessories

- LC TPRO X2 leather case
- CH TPRO X2 chest harness
- BC T01 belt clip
- Carrying strap

Additional accessories can be found at

[pepperl-fuchs.com/
pf-mcc-accessories](https://pepperl-fuchs.com/pf-mcc-accessories)

Compatible Peripherals

SM1P

Bluetooth®
Headset



Ident-Ex® 01

Barcode scanner/
RFID reader



RSM-Ex 01

Remote Speaker
Microphone



Technical Data: Tab-Ex® Pro

Operating system	Android™11
Applications	<ul style="list-style-type: none"> ■ Google ARCore ■ Samsung Knox
Processor	Qualcomm SDM670 Octa-Core 64 bit 2.0 GHz, 1.7 GHz
Memory	RAM: 4 GB, internal data memory: 64 GB, with external microSD up to 512 GB
Display	<ul style="list-style-type: none"> ■ 1,920 × 1,200 pixels (WUXGA), ■ 10.1" (25.6 cm), TFT, 550 nit brightness; ■ Operation also possible with gloves/in wet conditions
Sensors	Accelerometer, barometer, fingerprint sensor (D2 device only), gyroscope, geomagnetic sensor, hall effect sensor, RGB light sensor, proximity sensor
GPS, NFC	Yes
Dimensions and weight	243.5 × 170.2 × 9.9 mm (W × H × D); approx. 850 g (D2), 930 g (DZ2)
Operating temperature	-20 °C ... +55 °C
Connectivity	<ul style="list-style-type: none"> ■ LTE; Wi-Fi Standard 802.11 a/b/g/n/ac (2.4 GHz+5 GHz), VHT80 ■ Bluetooth® 5.0 (LE up to 2 MBit/s) ■ Wi-Fi Direct ■ NFC EMV L1 ■ Headphone out: 3.5 mm ■ USB 3.1 Type-C ■ Pogo pin (for charging, data transfer, and USB signal for keyboard)
SIM	1 x Nano SIM
Frequency bands	<p>Supported cellular frequency bands:</p> <ul style="list-style-type: none"> ■ 4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B28, B66 ■ 4G LTE TDD: B38, B40, B41 ■ 3G UMTS: B1, B2, B4, B5, B82G ■ GSM: 850/900/1,800/1,900 MHz <p>US Version</p> <p>LTE-Support: AT&T, Sprint, T-Mobile, Verizon</p> <p>Supported cellular frequency bands:</p> <ul style="list-style-type: none"> ■ 4G LTE FDD: B2, B3, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29; B66, B71 ■ 4G LTE TDD: B41 ■ 3G UMTS: B1, B2, B4, B5, B8
Camera	Rear: 13 MP with flash; front: 8 MP
Battery capacity	Li-ion Battery 3.8 V/7,400 mAh/28.12 WH/runtime of up to 15 hours of + battery is replaceable

Windows Tablet: Rugged Mobility at Its Finest for Zone 2 and Div. 2

Pad-Ex® 01 P8 redefines the mobile tablet PC with Windows® support. In addition to its incredible ruggedness, Pad-Ex 01 P8 meets all demands and supports Intel® Core™ i5 and i7 processor. It also provides battery life up to 7/14 hours and Windows® 10 support. The combination of durability, superior performance, and a large display makes the device an ideal addition to or replacement for desktop PCs, laptops, or wall-mounted displays in the field.

Reliably Rugged: Thin, Light, and Strong

Pad-Ex® 01 P8 is rugged mobility at its finest. Its ultrathin, lightweight exterior measures only 20 mm in height and 1.2 kg in weight.

With its ultra-compact design, Pad-Ex 01 P8 complies with IP64 and MIL-STD-810G for vibration. Additional display protection offers durability in harsh environments and an ergonomic design makes it easy to transport.

11.6" Widescreen Display

- Sunlight-readable display
- Capacitive multitouch screen

Integrated Options for Various Applications

- Data collection
- 1-D/2-D barcode scanner (optional)
- 5 MP autofocus camera with LED flashlight



Power

- Li-ion battery (3,950 mAh)
- Up to 7 hours of battery life

2 Cameras

- 2 MP front-facing camera + 5 MP rear camera with flashlight

Operating System

- Windows® 10 Pro (64 Bit)

Connectivity

- WWAN LTE + GPS Combo
- Intel Wireless AC9260 Wi-Fi Standard 802.11 a/b/g/n/ac
- Bluetooth® 5.0

Memory

- One DDR4 socket for 8 GB

Storage

- M2-SATA SSD 256 GB

I/O Ports

- Two USB 3.0
- One headphone-out/mic-in jack
- One docking connector
- Two RF pass-through connectors for WWAN and GPS

Expansion Slots

- One microSD card slot supports SDHC and SDXC
- One SIM card slot for WWAN data communication



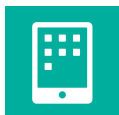
More information:

pepperl-fuchs.com/pf-pad-ex-01

Highlights



Global certifications for Zone 2/22 and Div. 2



Thin, light, and strong design



Optional various applications like barcode scanner



High-speed Windows® 10 operating system



Sunlight-readable, 11.6" capacitive multitouch display with optional display protection

Rugged features	<ul style="list-style-type: none"> ■ IP64 according to EN/IEC 60079-0 (ATEX/IECEX) ■ IP65 according to EN/IEC 60529 (industrial standard) ■ MIL-STD-810G certified (drop, shock, vibration, rain, dust, altitude, freeze/thaw, high/low temperature, temperature shock, humidity) MIL-STD-461 certified (conduction, radiation, conducted susceptibility, radiated susceptibility) ■ ANSI/ISA 12.12.01-2000, Class I, Division 2 ■ 4' drop 26 faces
Environment	<p>Operating temperature: -10 °C ... +55 °C (14 °F ... 131 °F)</p> <p>Storage temperature: -10 °C ... +55 °C (14 °F ... 131 °F)</p> <p>Humidity operating: 5 % to 95 %</p>
Operating system	Windows® 10 Pro (64 Bit)
CPU	<ul style="list-style-type: none"> ■ Intel® Core™ i5-8250U (8th Gen.) 1.6GHz processor with Turbo Boost Technology up to 3.4GHz, 6MB cache ■ Intel® Core™ i7-8550U (8th Gen.) 1.8GHz processor with Turbo Boost Technology up to 4.0GHz, 8MB cache
Memory	One DDR4 socket for 8 GB
Storage	M2-SATA SSD 256 GB (extended temperature range)
Display	<ul style="list-style-type: none"> ■ 29.46 cm/11.6" (1,920 × 1,080) FHD LCD Panel ■ Capacitive multitouch ■ Optical, sunlight-readable display
Audio	<ul style="list-style-type: none"> ■ Speaker x 1/70 dB ■ Microphone x 1
Camera	<ul style="list-style-type: none"> ■ 2 MP front-facing camera ■ 5 MP rear camera with flashlight
Communication	<ul style="list-style-type: none"> ■ WWAN LTE + GPS Combo (optional) ■ Intel Wireless AC9260 802.11 a/b/g/n/ac ■ Bluetooth® 5.0
Data collection	<ul style="list-style-type: none"> ■ Optional 1-D/2-D barcode scanner
I/O ports	<ul style="list-style-type: none"> ■ Two USB 3.0 ■ One headphone out/mic- in jack ■ One docking connector ■ Two RF pass-through connectors for WWAN and GPS
Expansion slots	<ul style="list-style-type: none"> ■ One microSD card slot support SDHC and SDXC ■ One SIM card slot for WWAN data communication
Button	<ul style="list-style-type: none"> ■ Power ■ Volume ■ Windows touch button ■ Barcode/camera touch button ■ Programmable touch button
Battery	<ul style="list-style-type: none"> ■ One 3,950 mAh Li-polymer battery pack: 7 hrs ■ Optional (spare part) 7,800 mAh Li-polymer battery pack: 14 hrs
AC adapter	19 V/3.42 A/65 W
Dimensions	298 mm × 192 mm × 20 mm
Weight	1.2 kg