



Tablet computer

Tab-Ex® 05 DZ1

TAB-EX05-DZ1-*

- Android™ 14
- Portable rugged tablet with brilliant 8" display
- Comprehensive security thanks to Samsung KNOX
- Suitable for use with gloves
- Google ARCore
- Fast data transfer via 5G connectivity
- Robust and protected against falls according to IP68 and MIL-STD-810H
- Function button for quick access

Rugged Android™ tablet for use in hazardous areas



Technical Data

Hardware

Processor	Exynos 1380 (S5E8835) Octa-Core 4 x 2.4 GHz + 4 x 2.0 GHz 64 Bit, 5 nm
RAM	6 GB LPDDR4X
Camera	Version without camera available.
Front camera	5 MP 1/5.0" sensor, F2.2 aperture
Main camera	13 MP 1/3.0" sensor, F1.9 aperture, autofocus, 8x digital zoom
Video recording resolution	UHD 4K (3840 x 2160) @ 30 fps
Internal data memory	128 GB UFS
Optional data memory	microSD (up to 1 TB)
Sensors	Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, RGB Light Sensor

Indicators/operating means

Display	
Refresh rate	Standard (60 Hz) / Adaptive (up to 120 Hz)
Touch screen technology	Capacitive
Panel type	TFT
Screen size	20.31 cm / 8 inch
Aspect ratio	16:10
Screen resolution	1920 x 1200 (WUXGA)
Pixel density	283 ppi
Brightness	max. 600 cd/m ² (nits)
Colors	16 Mio.
Screen protection	Corning® Gorilla® Glass 3
Special Features	Can be operated while wearing gloves Dark Mode, Adaptive Brightness, Eye Comfort, Screen Saver, Screen Zoom, Multi-Touch
Key	Function button, Active button

Electrical specifications

Battery type	Li-ion 3.8 V 5050 mAh 18.87 Wh (typically)
Operating duration	up to 14 h

Interface

I/O ports	USB 2.0 (Type-C)
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Communication

Release date: 2025-03-17 Date of issue: 2025-03-17 Filename: t221645_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Mobile standard		Also available in a Wi-Fi only version.
4G		LTE FDD: B1 (2100), B2 (1900), B3 (1800), B4 (AWS), B5 (850), B7 (2600), B8 (900), B12 (700), B13 (700), B17 (700), B20 (800), B26 (850), B28 (700), B32 (1500), B66 (AWS 3), B68 (700) LTE TDD: B38 (2600), B40 (2300), B41 (2500) 4x4 MIMO: B1 (2100), B3 (1800), B4 (AWS), B7 (2600), B66 (AWS 3), B38 (2600), B41 (2500)
5G		Sub6 FDD: N1 (2100), N3 (1800), N5 (850), N7 (2600), N8 (900), N20 (800), N26 (850), N28 (700), N66 (AWS 3), N71 (600) Sub6 TDD: N38 (2600), N40 (2300), N41 (2500), N77 (3700), N78 (3500) 4x4 MIMO: N1 (2100), N3 (1800), N7 (2600), N66 (AWS 3), N38 (2600), N40 (2300), N41 (2500), N77 (3700), N78 (3500)
WLAN		WLAN 802.11 a/b/g (2.4 GHz), WiFi 4, 5, 6 (2.4 GHz + 5 GHz), HE80, MIMO, 1024 QAM, WiFi Direct, Mobile Hotspot, Hotspot 2.0, Auto Hotspot
Bluetooth		Bluetooth® 5.3
GPS sensor		GPS, Glonass, Beidou, Galileo
NFC		yes
Connections		Wireless DeX
SIM card		Nano (4FF) / eSIM (optional)
Software		
Operating system		Android™ 14 Android™ Enterprise Recommended verified device Google ARCore ready
Cybersecurity		
IT security		
Biometrics		Facial recognition
Updates		Security updates until 2032 Operating system upgrades up to Android 22
Mobile device protection		Samsung KNOX 3.10
Ambient conditions		
Ambient temperature		-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications		
Degree of protection		IP68 according to EN/IEC 60529 MIL-STD-810H (pending)
Mass		approx. 1122 g
Dimensions		
W x H x D		161.5 mm x 262.75 mm x 25.75 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 24 ATEX 1 288 X
ATEX marking		Ⓜ II 2G Ex db ia IIC T6 Gb Ⓜ II 2D Ex tb ia IIIC T80°C Db
International approvals		
SGS approval		
SGS certificate		Pending
IECEX approval		
IECEX certificate		IECEX EPS 24.0082X
IECEX marking		Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db
General information		
Scope of delivery		Tab-Ex® 05 Torx T8 S Pen USB cable Charger Documentation Optional: Micro SD flash card Viator Bluetooth HART Interface

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Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.

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