

Data Sheet

# TABLET COMPUTER

Tab-Ex® 05 DZ1



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# 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	<b>Version without camera available.</b>
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	
Touchscreen technology	Capacitive
Refresh rate	Standard (60 Hz) / Adaptive (up to 120 Hz)
Type	TFT
Screen diagonal	20.31 cm / 8 inch
Aspect ratio	16:10
Resolution	1920 x 1200 (WUXGA) 283 ppi
Brightness	max. 600 cd/m <sup>2</sup> (nits)
Colors	16 Mio.
Special Features	Can be operated while wearing gloves Dark Mode, Adaptive Brightness, Eye Comfort, Screen Saver, Screen Zoom, Multi-Touch Corning® Gorilla® Glass 5
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)
Communication	
Mobile standard	<b>Also available in a Wi-Fi only version.</b>

Release date: 2025-01-15 Date of issue: 2025-01-15 Filename: t221645\_eng.pdf

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

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PEPPERL+FUCHS

## Technical Data

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)
<b>Software</b>	
Operating system	Android™ 14 Android™ Enterprise Recommended verified device Google ARCore ready
<b>Cybersecurity</b>	
IT security	
Biometrics	Facial recognition
Updates	Security updates until 2032 Operating system upgrades up to Android 22
Mobile device protection	Samsung KNOX 3.10
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP68 according to EN/IEC 60529 (pending) MIL-STD-810H (pending)
Mass	1100 g (Preliminary data)
Dimensions	
W x H x D	161.5 mm x 262.75 mm x 25.75 mm (Preliminary data)
<b>Data for application in connection with hazardous areas</b>	
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
<b>International approvals</b>	
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
<b>General information</b>	
Scope of delivery	Tab-Ex® 05 Torx T8 S Pen USB cable Charger Documentation <b>Optional:</b> Micro SD flash card Viator Bluetooth HART Interface

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

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