



Tablet computer

Tab-Ex® 05 DZ1

TAB-EX05-DZ1-* NAM/CAN

- 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	
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: 2025-06-30 Date of issue: 2025-06-30 Filename: t224645_eng.pdf

Technical Data

Mobile standard	Also available in a Wi-Fi only version. (For NAM version only)
4G	1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 14 / 20 / 25 / 26 / 28 / 29 / 30 / 40 / 41 / 48 / 66 / 71
5G	n2 / n5 / n12 / n25 / n30 / n41 / n48 / n66 / n71 / n77 / n78
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™ 15 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 ... 50 °C (-4 ... 122 °F)
Mechanical specifications	
Degree of protection	IP68 according to EN/IEC 60529 MIL-STD-810H
Mass	approx. 1122 g
Dimensions	
W x H x D	161.5 mm x 262.75 mm x 25.75 mm
International approvals	
SGS approval	
SGS certificate	SGSNA/25/CA/00003X
SGS marking	Class I Division 1, Group A, B, C, D, T6 Class II Division 1, Group E, F, G T80C Class III T80C Ex db ia IIC T6 Gb Class I, Zone 1, AEx db ia IIC T6 Gb Zone 21, Group IIIC T80C Ambient Temperature: -20°C = Ta = +55°C
IECEx approval	
IECEx certificate	IECEx EPS 24.0082X
IECEx marking	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db -20°C ≤ Ta ≤ +55°C
Approved for	Northern America or Canada
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

Accessories

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