



Tablet computer

Tab-Ex® 05 DZ2

TAB-EX05-DZ2-WIFINAM-CS1000-..

- 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

Tab-Ex 05 DZ2 (DIV 2 and Zone 2/22), Android, Wi-Fi, with camera, with microSD card, version for Europe and Northern America



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 1024 GB) 512 GB installed
Sensors	Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, RGB Light Sensor, Proximity Sensor
Speaker	yes

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

Release date: 2025-06-30 Date of issue: 2025-06-30 Filename: 480997-100060_eng.pdf

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

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Technical Data

Interface		
I/O ports		USB 2.0 (Type-C) 3.5 mm headphone jack for use in hazardous locations POGO Pin
Communication		
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
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 ... 55 °C (-4 ... 131 °F)
Mechanical specifications		
Degree of protection		IP68 according to EN/IEC 60529 MIL-STD-810H
Mass		595 g
Dimensions		
W x H x D		131.8 mm x 228.7 mm x 14.5 mm
International approvals		
SGS approval		
SGS certificate		SGSNA/25/SUW/00031X
Approved for		Class I and II, Division 2, Class III, Division 1 &2, Groups A-D, F, and G, T5 20°C = Ta = 50°C Zone 2 Group IIC T5 Zone 22 Group IIIB T100°C
IECEEx approval		
IECEEx certificate		IECEEx EPS 24.0090X
IECEEx marking		Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db -20°C ≤ Ta ≤ +55°C
Approved for		Northern America
General information		
Scope of delivery		Tab-Ex® 05 Battery Ex-protective cover S Pen USB cable Charger Documentation Optional: Viator Bluetooth HART Interface

Accessories

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