Tablet computer

Tab-Ex® 05 DZ2

TAB-EX05-DZ2-*

- 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, 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/m² (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	

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I/O ports	USB 2.0 (Type-C) 3.5 mm jack connection POGO Pin
Communication	
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 (pending) MIL-STD-810H (pending)
Mass	610 g (Preliminary data)
Dimensions	
W x H x D	126.8 mm x 213.8 mm x 9.9 mm (Preliminary data)
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 24 ATEX 1 257 X
ATEX marking	Ⓔx II 3G Ex ic IIC T5 Gc Ⓔx II 3D Ex ic IIIC T85°C Dc
International approvals	
SGS approval	
SGS certificate	Pending
IECEx approval	
IECEx certificate	IECEx EPS 24.0090X
IECEx marking	Ex ic IIC T5 Gc Ex ic IIIC T85°C Dc
General information	

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Scope of delivery	Tab-Ex® 05 Battery Ex-protective cover 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.

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