



Tablet computer

Tab-Ex® 05 DZ2

TAB-EX05-DZ2-WIFIIN-CN1000-..

- 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, 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 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/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

Release date: 2025-06-30 Date of issue: 2025-06-30 Filename: 480997-100013_eng.pdf

Technical Data

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 ARCCore 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
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 24 ATEX 1 257 X
ATEX marking	Ⓜ II 3G Ex ic IIC T5 Gc Ⓜ II 3D Ex ic IIIC T85°C Dc
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
IECEX approval	
IECEX certificate	IECEX EPS 24.0090X
IECEX marking	Ex ic IIC T5 Gc Ex ic IIIC T85°C Dc
Approved for	Europe Northern America
General information	
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.