



Tablet computer

Tab-Ex® 05 DZ1

TAB-EX05-DZ1-WIFIARE-NN1000-..

- 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 DZ1 (DIV 1 and Zone 1/21), Android, WWAN (LTE) incl. Wi-Fi, version for United Arab Emirates



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
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
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

I/O ports	USB 2.0 (Type-C)
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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

Release date: 2025-06-30 Date of issue: 2025-06-30 Filename: 480996-100061_eng.pdf

Technical Data

NFC	yes
Connections	Wireless DeX
Software	
Operating system	Android™ 15 Android™ Enterprise Recommended verified device Google ARCore ready
Cybersecurity	
IT security	
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	approx. 1122 g
Dimensions	
W x H x D	161.5 mm x 262.75 mm x 25.75 mm
Data for application in connection with hazardous areas	
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
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 24.0082X
IECEX marking	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db
Approved for	United Arab Emirates
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.