



Tablet computer

Tab-Ex® 05 DZ1

TAB-EX05-DZ1-WWANAIN-CS1000-NC

- 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, with camera, with microSD card, without charger, 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
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: 480996-100022_eng.pdf

Technical Data

Interface	
I/O ports	USB 2.0 (Type-C)
Communication	
Mobile standard	
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™ 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	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	
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

Technical Data

Approved for	Europe Northern America
General information	
Note	This device is not supplied with a charger.
Scope of delivery	Tab-Ex® 05 Torx T8 S Pen USB cable Documentation microSD card Optional: Viator Bluetooth HART Interface

Accessories

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