Tablet computer
Tab-Ex® 05 DZ1
TAB-EX05-DZ1-*

- Android™ 15 operating system
- 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

Division 1 and Zone 1/21, 8 inch display, Android™

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
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	
I/O ports	USB 2.0 (Type-C)
Communication	

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

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Technical Data

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™ 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		⟨Ex⟩ II 2G Ex db ia IIC T6 Gb ⟨Ex⟩ 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 tb ia IIIC T80°C Db
KC approval		
KC certificate		25-KA4BO-0326X 25-KA4BO-0327X

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Technical Data

KC marking	Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db
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.

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