



Tablet computer **Tab-Ex® 05 D2** **TAB-EX05-D2--WWANNAM-CN1000-..**

- Android™ 14
- Portable rugged tablet with brilliant 8" display
- Comprehensive security thanks to Samsung KNOX
- Suitable for use with gloves
- Google ARCore
- NFC technology for wireless applications
- Micro SD slot (up to 1 TB)
- Replaceable battery
- 13 MP rear camera + 5 MP front camera
- 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 D2 (DIV 2), Android 14, WWAN (LTE) incl. Wi-Fi, with camera, version for 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
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 5
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		

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Technical Data

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) 3.5 mm jack connection POGO Pin
Communication	
Mobile standard	
4G	1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 14 / 20 / 25 / 26 / 28 / 29 / 30 / 40 / 41 / 48 / 66 / 71
5G	n2 / n5 / n12 / n25 / n30 / n41 / n48 / n66 / n71 / n77 / n78
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 Fingerprint sensor
Updates	Security updates until 2032 Operating system upgrades up to Android 22
Mobile device protection	Samsung KNOX 3.10
Ambient conditions	
Ambient temperature	-20 ... 50 °C (-4 ... 122 °F)
Mechanical specifications	
Degree of protection	IP68 according to EN/IEC 60529 (pending) MIL-STD-810H (pending)
Mass	530 g
Dimensions	
W x H x D	130.2 mm x 228 mm x 14 mm
International approvals	
SGS approval	
SGS certificate	SGSNA/25/SUW/00031X
Approved for	Class I, Division 2 Groups A, B, C, D T5 Class II, Division 2 Groups F, G T100°C Class III Class I, Zone 2 Group IIC T5 Zone 22 Group IIIB T100°C
Approved for	Northern America
General information	
Scope of delivery	Tab-Ex® 05 Battery Ex-protective cover S Pen USB cable Charger Documentation

Accessories

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