



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

Rugged Android™ tablet for use in hazardous areas



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/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) |
|-----------|------------------|

Communication

Release date: 2025-10-23 Date of issue: 2025-10-23 Filename: 480996_eng.pdf

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 | Ⓜ 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 tb ia IIIC T80°C Db |
| KC approval | |
| KC certificate | 25-KA4BO-0326X 25-KA4BO-0327X |

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.