



# 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                     | <b>Version without camera available.</b>                                      |
| Front camera               | 5 MP<br>1/5.0" sensor, F2.2 aperture                                          |
| Main camera                | 13 MP<br>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 <sup>2</sup> (nits)                                                                                           |
| Colors                  | 16 Mio.                                                                                                                     |
| Screen protection       | Corning® Gorilla® Glass 3                                                                                                   |
| Special Features        | Can be operated while wearing gloves<br>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

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

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## Technical Data

|                                                                |  |                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobile standard                                                |  | <b>Also available in a Wi-Fi only version.</b>                                                                                                                                                                                                                                                                                             |
| 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)<br><br>LTE TDD: B38 (2600), B40 (2300), B41 (2500)<br><br>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)<br><br>Sub6 TDD: N38 (2600), N40 (2300), N41 (2500), N77 (3700), N78 (3500)<br><br>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)                                                                                                                                                                                                                                                                                                               |
| <b>Software</b>                                                |  |                                                                                                                                                                                                                                                                                                                                            |
| Operating system                                               |  | Android™ 15<br>Android™ Enterprise Recommended verified device<br>Google ARCore ready                                                                                                                                                                                                                                                      |
| <b>Cybersecurity</b>                                           |  |                                                                                                                                                                                                                                                                                                                                            |
| IT security                                                    |  |                                                                                                                                                                                                                                                                                                                                            |
| Biometrics                                                     |  | Facial recognition                                                                                                                                                                                                                                                                                                                         |
| Updates                                                        |  | Security updates until 2032<br>Operating system upgrades up to Android™ 22                                                                                                                                                                                                                                                                 |
| Mobile device protection                                       |  | Samsung KNOX 3.10                                                                                                                                                                                                                                                                                                                          |
| <b>Ambient conditions</b>                                      |  |                                                                                                                                                                                                                                                                                                                                            |
| Ambient temperature                                            |  | -20 ... 55 °C (-4 ... 131 °F)                                                                                                                                                                                                                                                                                                              |
| <b>Mechanical specifications</b>                               |  |                                                                                                                                                                                                                                                                                                                                            |
| Degree of protection                                           |  | IP68 according to EN/IEC 60529<br>MIL-STD-810H                                                                                                                                                                                                                                                                                             |
| Mass                                                           |  | approx. 1122 g                                                                                                                                                                                                                                                                                                                             |
| Dimensions                                                     |  |                                                                                                                                                                                                                                                                                                                                            |
| Height                                                         |  | 26 mm                                                                                                                                                                                                                                                                                                                                      |
| Width                                                          |  | 162 mm                                                                                                                                                                                                                                                                                                                                     |
| Length                                                         |  | 263 mm                                                                                                                                                                                                                                                                                                                                     |
| <b>Data for application in connection with hazardous areas</b> |  |                                                                                                                                                                                                                                                                                                                                            |
| ATEX approval                                                  |  |                                                                                                                                                                                                                                                                                                                                            |
| ATEX certificate                                               |  | EPS 24 ATEX 1 288 X                                                                                                                                                                                                                                                                                                                        |
| ATEX marking                                                   |  | Ⓔ II 2G Ex db ia IIC T6 Gb<br>Ⓔ II 2D Ex tb ia IIIC T80°C Db                                                                                                                                                                                                                                                                               |
| <b>International approvals</b>                                 |  |                                                                                                                                                                                                                                                                                                                                            |
| SGS approval                                                   |  |                                                                                                                                                                                                                                                                                                                                            |
| SGS certificate                                                |  | SGSNA/25/CA/00003X                                                                                                                                                                                                                                                                                                                         |
| SGS marking                                                    |  | Class I Division 1, Group A, B, C, D, T6<br>Class II Division 1, Group E, F, G T80C<br>Class III T80C<br>Ex db ia IIC T6 Gb<br>Class I, Zone 1, AEx db ia IIC T6 Gb<br>Zone 21, Group IIIC T80C<br>Ambient Temperature: -20°C = Ta = +55°C                                                                                                 |
| IECEx approval                                                 |  |                                                                                                                                                                                                                                                                                                                                            |
| IECEx certificate                                              |  | IECEx EPS 24.0082X                                                                                                                                                                                                                                                                                                                         |
| IECEx marking                                                  |  | Ex db ia IIC T6 Gb<br>Ex tb ia IIIC T80°C Db                                                                                                                                                                                                                                                                                               |
| INMETRO approval                                               |  |                                                                                                                                                                                                                                                                                                                                            |

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|                            |                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| INMETRO certificate        | TÜV 25.0140 X                                                                                                                                         |
| INMETRO marking            | Ex db ia IIC T6 Gb IP64<br>Ex tb ia IIIC T80 °C Db                                                                                                    |
| KC approval                |                                                                                                                                                       |
| KC certificate             | 25-KA4BO-0326X<br>25-KA4BO-0327X                                                                                                                      |
| KC marking                 | Ex db ia IIC T6 Gb<br>Ex ia tb IIIC T80°C Db                                                                                                          |
| IA approval                |                                                                                                                                                       |
| IA certificate             | MASC S/25-8018X                                                                                                                                       |
| IA marking                 | Ex db ia IIC T6 Gb<br>Ex ia tb IIIC T80°C Db                                                                                                          |
| <b>General information</b> |                                                                                                                                                       |
| Scope of delivery          | Tab-Ex® 05<br>Torx T8<br>S Pen<br>USB cable<br>Charger<br>Documentation<br><b>Optional:</b><br>Micro SD flash card<br>Viator Bluetooth HART Interface |

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).