

Tablet computer

Pad-Ex® 01 P12

PAD-EX01P12DZ2*



- 12th generation Intel® Core processor, Windows® 11 Pro
- Intel® Wi-Fi 6E
- 11.6" FHD DynaVueWindows® SR display with 1000 nits
- Can be used in sunlight
- 8 MP camera with autofocus and LED flash
- Thunderbolt® 4
- Micro HDMI
- 6 keys, including 2 user-definable keys
- TPM 2.0
- Support for 4G LTE and GPS/Augmented Reality
- Sierra Wireless EM 7565 Module
- 1-D/2-D barcode scanner
- Non-Camera version possible
- MIL-STD-810H / MIL-STD-461F standard

Pad-Ex® 01 DZ2 (Div. 2 and Zone 2/22), LTE (optional), camera (optional), i5 processor, 16 GB RAM, 256 GB SSD, Windows® 11 Pro



Technical Data

Hardware

| | |
|----------------------|---|
| Processor | Intel® Core i5-1235U, 12. Gen. Optional: Intel® Core i7-1255U, 12th Gen. |
| RAM | 16 GByte DDR5 |
| Camera | Version without camera available. |
| Front camera | 2 MP |
| Main camera | 8 MP Autofocus |
| Scanner | Optional: 1-D/2-D barcode scanner Honeywell N670X Series scan engine |
| Internal data memory | 256 GByte NVMe PCIe SSD |
| Sensors | Acceleration sensor, gyroscope and e-compass, light sensor |

Indicators/operating means

| | |
|-------------------------|--|
| Display | |
| Touch screen technology | Capacitive multitouch |
| Panel type | TFT, LCD |
| Screen size | 29.5 cm (11.6 ") |
| Aspect ratio | 16:9 |
| Resolution | 1920x1080 (Full HD) |
| Brightness | 1000 cd/m ² (nit) |
| Colors | 16 Mio. |
| Special Features | Can be operated while wearing gloves |
| Key | On/off Volume up / down Windows Touch button Barcode / Camera Touch Button Programmable Touch Button |

Electrical specifications

| | |
|--------------|---|
| Battery type | Li-Ion battery 43.29 WH 11.1 V 3900 mAh |
|--------------|---|

Interface

Release date: 2025-04-10 Date of issue: 2025-04-10 Filename: t217572_eng.pdf

Technical Data

| | |
|--|---|
| I/O ports | 1x Thunderbolt® 4 1x USB 3.2 Gen 2 (Type A) 1x Micro-HDMI 1x Audio in/out (combo jack) 1x microSD card (microSDXC) 1x Docking connector (35-pin Pogo) 1x DC-In jack |
| Communication | |
| Mobile standard | Also available in a Wi-Fi only version. |
| 3G | HSPA+ B1, B2, B4, B5, B6, B8, B9, B19 |
| 4G | LTE Please note (only U.S. market): AT&T is the only supported mobile carrier for the U.S. market. B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66 |
| WLAN | Intel® Wi-Fi 6E AX211 (802.11a/b/g/n/ac/ax) |
| Bluetooth | Bluetooth® 5.3 |
| GPS sensor | GPS, Glonass, Beidou, Galileo |
| SIM card | Optional: 1x Nano SIM |
| Software | |
| Operating system | Windows® 11 Pro (64 Bit) TPM 2.0 |
| Languages | Deutsch , English (default) |
| Ambient conditions | |
| Ambient temperature | -10 ... 55 °C (14 ... 131 °F) |
| Storage temperature | -10 ... 55 °C (14 ... 131 °F) |
| Mechanical specifications | |
| Degree of protection | IP64 MIL-STD-810H / MIL-STD-461F |
| Mass | 1200 g |
| Dimensions | |
| W x H x D | 298 mm x 192 mm x 20 mm |
| Data for application in connection with hazardous areas | |
| ATEX approval | |
| Certificate of conformity | EPS 16 ATEX 1 163 X |
| ATEX marking | Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIB T135°C Dc IP64 |
| International approvals | |
| SGS approval | |
| SGS certificate | SGSNA/24/SUW/00031X |
| Approved for | Class I, Zone 2, AEx ic IIC T4 Gc IP64 Class I, Div 2, Groups A-D T4 Zone 22, AEx ic IIIB T135°C Dc Class II, Div 2, Class III, Div 1, Groups F, G, T135°C Ex ic IIC T4 Gc IP64 Ex ic IIIB T135°C Dc IP64 |
| IECEX approval | |
| IECEX certificate | IECEX EPS 16.0072X |
| IECEX marking | Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIB T135°C Dc IP64 |
| INMETRO approval | |
| INMETRO certificate | TÜV 20.1444 X |
| INMETRO marking | Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIB T135°C Dc IP64 |
| NEPSI approval | |
| NEPSI certificate | Pending |
| KCC approval | |
| KCC certificate | 24-KA4BO-0914X 24-KA4BO-0915X |

Technical Data

| | |
|----------------------------|---|
| KCC marking | Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIB T135°C Dc IP64 |
| IA approval | |
| IA certificate | MASC S/19-6224X |
| IA marking | Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIB T135°C Dc IP64 |
| CML approval | |
| CML certificate | CML 19 JPN 2478 X |
| CML marking | Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIB T135°C Dc IP64 |
| CCC approval | |
| CCC certificate | 2020322309003372 |
| CCC marking | Ex ic IIC T4 Gc Ex ic IIIB T135 °C Dc |
| General information | |
| Scope of delivery | Pad-Ex® Power supply Power cable Dock Connector with Pass-Through Hand strap Documentation Stylus pen with tether |

Accessories

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