

# 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. <b>Optional:</b> Intel® Core i7-1255U, 12th Gen.
RAM	16 GByte DDR5
Camera	<b>Version without camera available.</b>
Front camera	2 MP
Main camera	8 MP Autofocus
Scanner	<b>Optional:</b> 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 <sup>2</sup> (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
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### Interface

Release date: 2025-04-10 Date of issue: 2025-04-10 Filename: t217572\_eng.pdf

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

## 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
<b>Communication</b>	
Mobile standard	<b>Also available in a Wi-Fi only version.</b>
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	<b>Optional:</b> 1x Nano SIM
<b>Software</b>	
Operating system	Windows® 11 Pro (64 Bit) TPM 2.0
Languages	Deutsch , English (default)
<b>Ambient conditions</b>	
Ambient temperature	-10 ... 55 °C (14 ... 131 °F)
Storage temperature	-10 ... 55 °C (14 ... 131 °F)
<b>Mechanical specifications</b>	
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
<b>Data for application in connection with hazardous areas</b>	
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
<b>International approvals</b>	
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

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## 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
<b>General information</b>	
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](http://www.pepperl-fuchs.com).