



Tablet computer

Pad-Ex® 01 P12

PAD-EX01P12DZ2EUNC516256WIFHAM

- 12th generation Intel® Core processor, Windows® 11 Pro
- Intel® Wi-Fi 6E
- 11.6" FHD DynaVue Windows® 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
- Viator® BT Bluetooth® HART Modem
- Complete kit is pre-installed for customer
- Out of box experienced (OOBE)
- MIL-STD-810H / MIL-STD-461F standard

Pad-Ex® 01 P12 DZ2 (Div. 2 and Zone 2/22), Wi-Fi, camera, i5 processor, 16 GB RAM, 256 GB SSD, Windows® 11 Pro, incl. HART modem



Technical Data

Hardware

Processor	Intel® Core i5-1235U, 12. Gen.
RAM	16 GByte DDR5
Camera	
Front camera	2 MP
Main camera	8 MP Autofocus
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
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Interface

Release date: 2025-06-27 Date of issue: 2025-06-27 Filename: 480991-100050_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	
WLAN	Intel® Wi-Fi 6E AX211 (802.11a/b/g/n/ac/ax)
Bluetooth	Bluetooth® 5.3
GPS sensor	GPS, Glonass, Beidou, Galileo
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	
ATEX certificate	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
Approved for	Europe , Northern America (USA)
General information	
Scope of delivery	Pad-Ex® Power supply Power cable Dock Connector with Pass-Through Hand strap Documentation Stylus pen with tether Viator Bluetooth HART Interface

Accessories

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