

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
- MIL-STD-810H
- 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

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	Optional:
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	Can be operated while wearing gloves
Touchscreen technology	Capacitive multitouch
Type	TFT, LCD
Screen diagonal	29.5 cm (11.6 ")
Aspect ratio	16:9
Resolution	1920x1080 (Full HD)
Brightness	1000 cd/m ² (nit)
Colors	16 Mio.
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: 2024-04-25 Date of issue: 2024-04-25 Filename: t217572_eng.pdf

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

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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
SIM card	Optional: 1x Nano SIM
Software	
Operating system	Windows® 11 Pro (64 Bit)
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
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	Pending
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	Pending
NEPSI approval	
NEPSI certificate	Pending
IA approval	MASC S/19-6224X 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
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.