



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
- 11 MP camera with autofocus and LED flash
- Can be used in sunlight
- 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

Division 2 and Zone 2/22, 11.6 inch display, 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	11 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
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Interface

Release date: 2026-04-01 Date of issue: 2026-04-01 Filename: 480991_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	
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 or ThinManager Ready
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	
Height	20 mm
Width	298 mm
Length	192 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
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
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
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.