



Tablet computer

Pad-Ex® 01 P12

PAD-EX01P12DZ2EUNC516256LTE00A

- 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
- Support for 4G LTE and GPS/Augmented Reality
- Sierra Wireless EM 7565 Module
- MIL-STD-810H / MIL-STD-461F standard

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



Technical Data

Hardware

Processor	Intel® Core i5-1235U, 12. Gen.
RAM	16 GByte DDR5
Camera	
Front camera	2 MP
Main camera	8 MP Autofocus
Scanner	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: 2025-06-27 Date of issue: 2025-06-27 Filename: 480991-100053_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	
3G	HSPA+ B1, B2, B4, B5, B6, B8, B9, B19
4G	LTE Please note (only U.S. market): AT& 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	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	
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
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
Approved for	Europe, Northern America (USA), Japan, South Africa, India, Singapore
General information	

Technical Data

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.