



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEX EPS 16.0072X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 5	Issue 4 (2021-07-22)
Date of Issue:	2023-12-18		Issue 3 (2019-09-09)
Applicant:	<b>Pepperl+Fuchs SE</b> Lilienthalstrasse 200 68307 Mannheim Germany		Issue 2 (2018-10-15)
Equipment:	<b>Intrinsically Safe Tablet PC type Pad-Ex 01 *</b>		Issue 1 (2017-06-22)
Optional accessory:			Issue 0 (2017-01-13)
Type of Protection:	<b>Intrinsic safety "i"</b>		
Marking:	Ex ic IIC T4 Gc IP64		
	Ex ic IIIB T135°C Dc IP64		
	Ex ic op is IIC T4 Gc IP64 (P12 series)		
	Ex ic op is IIIB T135°C Dc IP64 (P12 series)		

Approved for issue on behalf of the IECEx  
Certification Body:

**Ulrich Feike**

Position:

**Head of Certification**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
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Germany





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Certificate No.: **IECEX EPS 16.0072X**

Page 2 of 4

Date of issue: 2023-12-18

Issue No: 5

Manufacturer: **Pepperl+Fuchs SE**  
Lilienthalstrasse 200  
68307 Mannheim  
Germany

Manufacturing  
locations: **ECOM Instruments GmbH**  
Industriestrasse 2  
97959 Assamstadt  
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR16.0071/05](#)

Quality Assessment Report:

[DE/PTB/QAR06.0008/19](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX EPS 16.0072X**

Page 3 of 4

Date of issue: 2023-12-18

Issue No: 5

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Pad-Ex 01 \* is an intrinsically safe rugged tablet PC for use in explosive hazardous areas of zone 2 and zone 22.

### Description \*:

Z2	The device carries ATEX/IECEX marking
HR Z2	The device carries ATEX/IECEX marking and is equipped with Full HD display
DZ2	The device carries ATEX/IECEX and NEC/CEC marking
HR DZ2	The device carries ATEX/IECEX and NEC/CEC marking and is equipped with Full HD display
P8 Z2	The device carries ATEX/IECEX marking and is equipped with Full HD display and 8 <sup>th</sup> CPU generation
P8 DZ2	The device carries ATEX/IECEX and NEC/CEC marking and is equipped with Full HD display and 8 <sup>th</sup> CPU generation
P12 Z2	The device carries ATEX/IECEX marking and is equipped with Full HD display and 12 <sup>th</sup> CPU generation
P12 DZ2	The device carries ATEX/IECEX and NEC/CEC marking and is equipped with Full HD display and 12 <sup>th</sup> CPU generation

The device can be equipped with different modules (4G LTE/WWAN, M.2 SSD, RAM, Scanner).

The device may only be used with accessories X-Strap, Shoulder-Strap, Hand-Strap or Leathercase, approved by the manufacturer.

Further accessory: ST P01 P12. A Stylus pen with tether.

### Electrical data:

Battery powered, lithium ion battery pack with following nominal ratings:

Type 1:	R11AH	4100 mAh	11.1 V
Type 2:	R11AH2	7800 mAh	11.1 V
Type 3:	R11AH	3950 mAh	11.1 V
Type 4:	R11AH7-M	3900 mAh	11.1 V
Type 5:	R11AH7-H	6900 mAh	10.8 V

### Ambient temperature range:

-10 °C ≤ Ta ≤ +55 °C

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The battery pack shall be removed, changed or charged only outside hazardous areas.

The impact test according to IEC 60079-0 was performed with reduced height. The equipment shall be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge generating processes. External connections shall never be used in hazardous areas. The interface cover shall be closed in hazardous areas. Only use a damp cloth to clean the device.



# IECEX Certificate of Conformity

Certificate No.: **IECEX EPS 16.0072X**

Page 4 of 4

Date of issue: 2023-12-18

Issue No: 5

## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Hardware Update