

(1) **Certificate of Conformity**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) Certificate Number

EPS 24 ATEX 1 257 X

Revision 0

(4) Equipment: Intrinsically Safe Tablet Computer
Types: Tab-Ex 05 DZ2 WiFi, Tab-Ex 05 DZ2 WWAN

(5) Manufacturer: Pepperl+Fuchs SE

(6) Address: Lilienthalstrasse 200
68307 Mannheim
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 24TH0368.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

IEC 60079-11:2023

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 II 3G Ex ic IIC T5 Gc

 II 3D Ex ic IIIC T85°C Dc



Certification department of explosion protection

Tuerkheim, 2025-02-06

Ulrich Feike



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **Certificate of Conformity EPS 24 ATEX 1 257 X**

Revision 0

(15) Description of equipment:

The Tab-Ex 05 DZ2 *** is an intrinsically safe tablet computer based on the Samsung Galaxy Tab Active5.

Two types are certified:

1. Tab-Ex 05 DZ2 WiFi
2. Tab-Ex 05 DZ2 WWAN

Intrinsically safe parameters Audio Port:

$$U_o = 3 \text{ V} / I_o = 250 \text{ mA} / P_o = 80 \text{ mW} / C_o = 980 \text{ }\mu\text{F}^* / L_o = 1250 \text{ }\mu\text{H}^*$$
$$U_i = 3 \text{ V} / I_i = 0 \text{ mA} / P_i = 0 \text{ mW} / C_i = 2 \text{ }\mu\text{F} / L_i = 15 \text{ }\mu\text{H}$$

*For entity concept conditions (combinations of C_o and L_o) refer to instruction manual.

Ambient temperature range: $-20 \text{ }^\circ\text{C} \leq T_{\text{amb}} \leq +55 \text{ }^\circ\text{C}$

Electrical supply: Powered by battery pack model EB-BX306GBY (refer to instruction manual).

Optional accessories:

1. S Pen Type ST T05 X2
2. Leather Case Type LC T05 X2
3. Chest Harness Type CH T05 X2
4. Hand Strap Type HA T05 X2R
5. Belt Clip Type BC T01
6. Carrying Strap Type CS T05
7. Tether for Stylus Pen Type ST01

(16) Reference number: 24TH0368

(17) Special conditions for safe use:

Use the device in locations where the risk of mechanical hazards is low.

Do not use the device in the vicinity of processes that generate high electrostatic charges.

The Ex-protective case must be correctly fitted before entering hazardous areas.

Battery pack and SIM/SD-card replacement is only allowed in ordinary (non-hazardous) areas.

Wired connections via the USB-C port or via the Keyboard-Dock-Port (POGO pins) are only allowed in ordinary (non-hazardous) areas.

The device shall only be charged within an ambient temperature range of $-5 \text{ }^\circ\text{C}$ to $+55 \text{ }^\circ\text{C}$.

The device shall only be connected to power supplies in non-hazardous areas.

The device shall only be connected to power supplies that are non-shock hazard extra low voltage types, such as SELV, PELV, ES1, or equivalent.

The device shall only be connected to supplies providing a maximum voltage $U_m = 16 \text{ V}$ and a maximum current of $I_m = 3.2 \text{ A}$.

Repairs are to be conducted by the manufacturer or an authorized service centre.



Certificate of Conformity EPS 24 ATEX 1 257 X

Revision 0

(18) Essential health and safety requirements:

Met by compliance with standards.



Certification department of explosion protection

Tuerkheim, 2025-02-06