

TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Type Examination Certificate Number: **UL 21 ATEX 2634X Rev. 0**

Product: **Model R2B Series**

Manufacturer: **ICC Intelligent Platforms GmbH**

Address: **Memminger Str 14, 86159 Augsburg, Germany**

This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential report no. **4790086693.2.1.**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN IEC 60079-7: 2015 +A1:2018

except in respect of those requirements listed at item 18 of the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

The marking of the product shall include the following:

II 3 G Ex ec IIC T4 Gc

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval

Date of issue: 2021-09-30

Certification Body

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Schedule

TYPE EXAMINATION CERTIFICATE No.

UL 21 ATEX 2634X Rev. 0

[13]

[14]

[15] Description of Product:

The R2B series are industrial computers, which offers several CPU, RAM, storage and other configuration and is designed to operate on 24V DC (+/-25%).

The power button, the LED control indicators and user interfaces such as USB (2.0), USB (3.0), DisplayPort (DP), LAN ports (10/100/1000 Mbps), µSD and serial ports (RS232/RS4xx) are accessible on the bottom and front side of the system.

The R2B series are fanless designs with an aluminum chassis and cooling fins.

Nomenclature:

R2BaNbcbdefghj

where a can be 0 or 1 (indicate PCIe extension slot)

where b can be 0 -9, A, B (indicate CPU type)

where c can be A-Z (indicate OS and SW versions)

where d can be 0-6 (indicate SSD type)

where e can be N or A (indicate mPCIe port)

where f can be 3, 5, 7 (indicate ETH configuration)

where g can be A, B, C (indicate µSD card option)

where h can be 0 or 1 (indicate MB MRAM)

where j can be A for 0 to 60°C for models with a = 0 and b = 0, 1, 2, 6, 7, 8

where j can be A for 0 to 60°C for models with a = 1 and b = 9, A, B

where j can be A for 0 to 50°C for models with a = 1 and b = 0, 1, 2, 6, 7, 8

where j can be F for -40 to 65°C for models with a = 0 and b = 9, A, B

where j can be F for -40 to 60°C for models with a = 0 and b = 3, 4, 5

where j can be F for -40 to 50°C for models with a = 1 and b = 3, 4, 5

Note: Each catalog number may be followed by alphanumeric characters

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015.

Temperature range:

0 to +60°C for models with a = 0 and b = 0, 1, 2, 6, 7, 8

0 to +60°C for models with a = 1 and b = 9, A, B

0 to +50°C for models with a = 1 and b = 0, 1, 2, 6, 7, 8

-40°C to +65°C for models with a = 0 and b = 9, A, B

-40°C to +60°C for models with a = 0 and b = 3, 4, 5

-40°C to +50°C for models with a = 1 and b = 3, 4, 5

Models are suitable for a T4 temperature code.

Electrical data

Models R2B0N Series:

24 V DC, 2.0A

Models R2B1N Series:

24 V DC, 2.4A

Routine tests:

Routine tests are not required.

[16] Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] Special Conditions of Use:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in only accessible with the use of a tool and that provides a degree of protection not less than IP 54 in accordance with EN 60079-0 and EN 60079-7.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.
- R2B1 PCIe option slot is not for use in hazardous locations.

[18] Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

