



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

Certificate No.: **IECEx UL 21.0125X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-01-31

Applicant: **ICC Intelligent Platforms GmbH**
Memminger Str 14
Augsburg 86159
Germany

Equipment: **Industrial Computer , Model R2B Series**

Optional accessory:

Type of Protection: **Increased Safety "ec"**

Marking: **Ex ec IIC T4...T3 Gc**
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 +70°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 except for models with a +70°C ambient where a = 0 and B = 9, A, B.
Models with a +70°C ambient where a = 0 and B = 9, A, B are suitable for a T3 temperature code.

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

Signature:
(for printed version)

Date:

2022-01-31

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **ICC Intelligent Platforms GmbH**
Memminger Str 14
Augsburg 86159
Germany

Additional
manufacturing
locations:

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 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

[US/UL/ExTR21.0132/00](#)

Quality Assessment Report:

[DK/ULD/QAR21.0007/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The R2B series are industrial computer which offers several CPU, RAM, storage and other configuration and is designed to operate on a 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.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 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 IEC 60079-0 and IEC 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.

Annex:

[Annex to IECEx UL 21.0125X Issue 0.pdf](#)



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TYPE DESIGNATION

Nomenclature:

R2BaNbcdefghj

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, A, or W (indicates mPCIe port presence or wireless/Bluetooth option)

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

where g can be A, B, C (indicate μ SD 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 70°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

where k is blank or W followed by any number 0-99 (indicates custom IO configurations)

Note: Each catalog number may be followed by alphanumeric characters.

PARAMETERS RELATING TO THE SAFETY

Electrical Data:

Models R2B0N Series:

24 V DC, 2.0A

Models R2B1N Series:

24 V DC, 2.4A

Ambient Temperature Ranges :

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 +70°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 except for models with a +70°C ambient where a = 0 and B = 9, A, B. Models with a +70°C ambient where a = 0 and B = 9, A, B are suitable for a T3 temperature code.



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MARKING

Marking has to be readable and indelible; it has to include the following indications:

1. The registered Intelligent Platforms LLC trademark



2. Manufacturer's name and address:
ICC Intelligent Platforms GMBH
Memminger Str 14
86159 Augsburg Germany
3. Cat. No. or Model Name per PRODUCTS COVERED section of this drawing.
4. Serial Number in text or barcode
5. Date Code in text or barcode
6. Electrical Ratings per ELECTRICAL RATINGS section of this drawing.
7. Name of certificate issuer: UL 21 ATEX 2634 X and IECEx 21.0125X
8. CE mark
9. “ II 3 G” followed by the protection string “Ex ec IIC T4...T3 Gc”
10. “Ta” per product model based on nomenclature description.