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 22.0029X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2022-12-16) Issue 0 (2022-08-24)
Date of Issue:	2024-01-31		

Applicant: **Intelligent Platforms LLC**
2500 Austin Drive
Charlottesville, VA 22911
United States of America

Equipment: **Industrial Control Equipment, Models EPXCPE205, EPXCPE210, EPXCPE215, EPXCPE220 and EPXCPE240.**

Optional accessory:

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

Marking: Ex ec IIC T3 Gc

-40°C ≤ Ta ≤ +60°C

-40°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx Certification Body: **Erin LaRocco**

Position: **Staff Engineer**

Signature:
(for printed version)

Date:
(for printed version)

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 Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

IECEx Certificate of Conformity

Certificate No.: **IECEx UL 22.0029X**

Date of issue: 2024-01-31

Issue No: 2

Manufacturer: **Intelligent Platforms LLC**
2500 Austin Drive
Charlottesville, VA 22911
United States of America

Manufacturing locations: **Intelligent Platforms LLC**
2500 Austin Drive
Charlottesville, VA 22911
United States of America

ICC Intelligent Platforms GmbH
Memminger Str 14
Augsburg 86159
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 60079-7:2017 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 Reports:

US/UL/ExTR22.0034/00 US/UL/ExTR22.0034/01 US/UL/ExTR22.0034/02

Quality Assessment Reports:

DK/ULD/QAR21.0007/02 GB/FME/QAR19.0017/04

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The EPX series are programmable controllers for use in Ex Zone 2 Hazardous Locations. They are open-type devices and are intended for installation in a suitable end use enclosure. The series are made of three boards, the CPU Board which houses the ethernet and USB ports, the backplane board, and the power board.

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.
- 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.
- When used with RSTi-EP local I/O mounted on the right side, the product ambient temperature must be limited to -40°C ≤ Ta ≤ +60°C.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1: Alternate battery added to existing models.

Issue 2: Addition of manufacturing location.

Annex:

Annex to IECEx UL 22.0029X Issue 2.pdf

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Annex to Certificate No.: IECEx UL 22.0029X Issue No.: 2

TYPE DESIGNATION

Model No.	Processor
EPXCPE205	Dual Core
EPXCPE210	Dual Core
EPXCPE215	Dual Core
EPXCPE220	Dual Core
EPXCPE240	Quad Core

PARAMETERS RELATING TO THE SAFETY

System/Field Input Voltage: Rail A: 24V,10A
Rail B: 24V,10A

Output Voltage: Power feed Rail A – 24V (18 - 30V), 8.5A
Power Feed Rail B - 24V (18 – 30V), 10A
Power Feed 5V (Local I/O) – 5.1V, 1.5A
Power Feed 5V (Expansion left side) – 5.1V, 1.5A

Rated ambient temperature range (°C) : -40°C ≤ Ta ≤ +60°C
-40°C ≤ Ta ≤ +70°C

MARKING

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

MARKINGS:

1. The registered Intelligent Platforms, LLC trademark
2. Manufacturer's name and address:
   - Intelligent Platforms Inc.
   - 2500 Austin Drive, Charlottesville, VA 22911 USA
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 Input Ratings per ELECTRICAL RATINGS section of this drawing.
7. Certificate Numbers: UL 22 ATEX 2738X & IECEx UL 22.0029X
8. CE mark
9. "Ex II 3 G" followed by the protection string "Ex ec IIC T3 Gc"
10. Ta: -40 to 70C