1 Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **ExVeritas 25 ATEX 2118X** Issue: **0** Date: **April 25, 2025**

4 Equipment: **Panel PC - Roughneck 15" and Roughneck 22"**

5 Manufacturer **Acura Embedded Systems**

6 Address Suite #101
17825 64th Ave
Surrey, BC V3S 1Z3
Canada

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

8 ExVeritas, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to design of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the European Directive 2014/34/EU.

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0: 2018 **EN 60079-7: 2015+A11:2024**

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 section 14 of this certificate.

11 This Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

II 3 G
Ex ec IIB T4 Gc
T_{amb} -20°C to +50°C

DANAK
PROD Reg.No. 7044
Member of EA MLA

On behalf of ExVeritas

Peter T. Lauritzen

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13 Description of Equipment or Protective System

Acura Embedded System Inc. designs and manufactures the Roughneck 15” and 22” industrial panel pc with touch screen capability. These models are intended for use in outdoor in hazardous locations with a maximum ambient temperature range of -20°C to 50°C. The units are constructed with a metallic enclosure made of aluminum and glass facing for touch screen capability. It is designed to operate for using in built power supply. Either the chassis or the enclosure of Roughneck PC’s will be grounded during the installation. The units have an IECEx approved (IECEx SIQ 14.0004X) AC to DC power supply which supports 110 - 220VAC 50/60Hz. Both units provided with connectors for LAN and USB which were evaluated and tested as per the test requirement of IEC 60079-0 and IEC 60079-7.

14 Associated Report and Certificate History

Number	Report Issue Date	Issue	Description
R5922/A/1	April 2025	0	Initial issue of the Prime Certificate

15 Special Conditions for Safe Use

- These units are intended to be used only within ambient temperature of -20°C and 50°C.
- Enclosure only suitable for IP65.
- All the connectors shall not be disconnected or connected in an atmosphere where explosive gases are present.
- All the internal connections shall be done at factory not in the field.
- Unused connectors shall be covered with caps provided with the units and shall be secured with set screw.
- Repairs and maintenance shall be performed only in non-hazardous area.
- Units shall not be exposed to direct sunlight or other ultraviolet light to avoid UV deterioration.
- The equipment shall only be used in an area not greater than pollution degree 2, as defined in IEC 60664-1

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14

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