



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 18ATEX4072X** Issue: **0**

4 Equipment: **Panel PC, Display, or Box PC - HXXXXX-XXSC-XXXX**

5 Applicant: **American Industrial Systems Inc.**

6 Address: 1768 McGaw Avenue
Irvine
California 92614
United States of America

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

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:


EN 60079-0:2012/A11:2013 EN 60079-11:2012 EN 60079-15:2010

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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

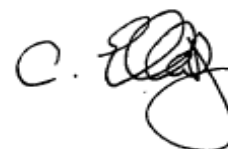
11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:

 II 3G
Ex nA ic IIC T4 Gc
Ta = -20°C to 60°C

Project Number 70174073

This certificate and its schedules may only be reproduced in its entirety and without change.



C Ellaby
Deputy Certification Manager

Sira Certification Service

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

**Sira 18ATEX4072X
Issue 0**

13 DESCRIPTION OF EQUIPMENT

The HXXXXX-XXSC-XXX-series is a fanless, panel-mounted or stand-alone device for data collection and processing, with a touchscreen display (except Box PC). It is housed in a stainless steel enclosure. It has facilities for connection to suitably-certified external devices.

The product is divided into 3 model series: Display, Panel PC, and Box PC

		Equipment Name / Model Number			
		Display	Panel PC		Box PC
		HXXXXX-XXSC-XXXXX	HXXXXX-XXSC-XXX	HPXXXX-XXSC-XXX	HXXXXX-0000-XXX
Panel specification	15 inch	HDXXXX-15SC-SXXXX	HSXXXX-15SC-SXXXX	HPXXXX-15SC-SXXXX	--
	15 inch, high brightness	HDXXXX-15SC-HXXXX	HSXXXX-15SC-HXXXX	HPXXXX-15SC-HXXXX	--
	15.6 inch	HDXXXX-16SC-SXXXX	HSXXXX-16SC-SXXXX	HPXXXX-16SC-SXXXX	--
	19 inch	HDXXXX-19SC-SXXXX	HSXXXX-19SC-SXXXX	HPXXXX-19SC-SXXXX	--
	19 inch, high brightness	HDXXXX-19SC-HXXXX	HSXXXX-19SC-HXXXX	HPXXXX-19SC-HXXXX	--
	21.5 inch	HDXXXX-21.5SC-SXXXX	HSXXXX-21.5SC-SXXXX	HPXXXX-21.5SC-SXXXX	--
	No display	--	--	--	HSXXXX-0000-XXXX; HPXXXX-0000-XXXX
		AIS-TB-6029	AIS-SBC-7111	AIS-SBC-7114	AIS-SBC-7111 or AIS-SBC-7114
Mainboard P/N					

All models are rated 9-36Vdc, 13-3A, 90W maximum.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 March 2018	R70174073A	The release of the prime certificate.

14.3 Certificate number Sira 17ATEX4362X Issue 0

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SCHEDULE

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**Sira 18ATEX4072X
Issue 0**

15 SPECIFIC CONDITIONS OF USE

- 15.1 In locations where high external humidity and internal temperature variations (e.g. frequent on-off cycles) may cause condensation inside the equipment, the interior should be periodically inspected.
- 15.2 When the device is mounted in a hazardous area, connection and disconnection of external connectors while live is only permitted if the potentially explosive atmosphere is shown to be absent.
- 15.3 The 9-36Vdc rated supply shall be protected such that transients are limited to a maximum of 119 V; no such protection is required for the signal lines.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.

Certificate Annexe



Certificate Number: Sira 18ATEX4072X
Equipment: Panel PC, Display, or Box PC - HXXXXX-XXSC-XXXX
Applicant: American Industrial Systems Inc.

Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
070000005016	1 of 1	1	26 Mar 18	Label

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