



1 **TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 15ATEX4033U** Issue: **0**

4 Component: **Touchpoint Pro Backplane**

5 Applicant: **Honeywell Analytics Ltd**

6 Address: 4 Stinsford Road
Nuffield Estate
Poole BH17 0RZ
United Kingdom

7 This component 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 component has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 3 components, which are intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

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

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 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified component, and not to specific components subsequently manufactured.

12 The marking of the component shall include the following:



II 3G

Ex nA IIC T4 Gc

Project Number 70004994

A C Smith
Certification Manager

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 15ATEX4033U

Issue 0

13 DESCRIPTION OF COMPONENT

The Backplane is a printed circuit board that fits onto a metal DIN rail. The Backplane Board has a power connector and several Input/Output (I/O) connectors which incorporate the network and power lines. The I/O connectors accommodate edge connectors from various modules which are mechanically locked to the DIN rail.

The Backplane provides the I/O Modules with electrical power (24V nominal) and connectivity to the ring network. Backplanes are available in four variants: 5, 7, 9 and 10 I/O slots (excluding first slot reserved for RCM). The 10 I/O slot backplane is provided with two power connectors to achieve power supply input redundancy if required.

The Backplane is intended to be used inside a cabinet that provides an ingress protection of at least IP54.

Rated voltage at the DIN-rail power connector: 18V to 32V dc.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	08 May 2015	R70004994F	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The component shall be installed in an Ex e or Ex n approved enclosure that provides an ingress protection of at least IP54.

15.2 The component shall only be used in a service temperature range of -40°C to +70°C.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

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

17 CONDITIONS OF CERTIFICATION

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 8 of directive 94/9/EC.

Certificate Annexe

Certificate Number: Sira 15ATEX4033U
Component: Touchpoint Pro Backplane
Applicant: Honeywell Analytics Ltd



Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
2400A0540	1 to 2	02	22 Apr 15	Backplane Board- 10 IO Modules, Assembly DWG
2400B0540	1 of 1	04	22 Apr 15	Backplane Board- 10 IO Modules, BOM
2400C0541	1 to 2	01	22 Apr 15	Backplane Board- 10 IO Modules, Schematics
2400D0542	1 to 3	03	22 Apr 15	Backplane Board – 10 IO Fabrication
2400F0542	1 to 3	03	22 Apr 15	Backplane Board – 10 IO Specification
2400D1479	1 of 1	02	22 Apr 15	Backplane 10 IO Specification
2400A0530	1 to 3	02	22 Apr 15	Backplane Board- 9 IO Modules, Assembly
2400B0530	1 of 1	04	22 Apr 15	Backplane Board- 9 IO Modules, BOM
2400C0531	1 to 2	01	22 Apr 15	Backplane Board- 9 IO Modules, Schematics
2400D0532	1 to 3	03	22 Apr 15	Backplane Board – 9 IO Fabrication
2400F0532	1 to 3	03	22 Apr 15	Backplane Board – 9 IO Specification
2400D1478	1 of 1	02	22 Apr 15	Backplane Specification Label 9 IO
2400A0525	1 to 3	02	22 Apr 15	Backplane Board- 7 IO Modules, Assembly
2400B0525	1 of 1	04	22 Apr 15	Backplane Board- 7 IO Modules, BOM
2400C0526	1 to 2	01	22 Apr 15	Backplane Board- 7 IO Modules, Schematics
2400D0527	1 to 3	03	22 Apr 15	Backplane 7 IO PCB Fabrication
2400F0527	1 to 3	03	22 Apr 15	Backplane PCB 7 IO Specification
2400D1477	1 of 1	02	22 Apr 15	Backplane 7 Way Specification Label
2400A0520	1 to 3	02	22 Apr 15	Backplane Board- 5 IO Modules, Assembly
2400B0520	1 of 1	04	22 Apr 15	Backplane Board- 5 IO Modules, BOM
2400C0521	1 to 2	01	22 Apr 15	Backplane Board- 5 IO Modules, Schematics
2400D0522	1 to 3	03	22 Apr 15	Backplane PCB Fabrication
2400F0522	1 to 3	03	22 Apr 15	Backplane PCB Specification
2400D1476	1 of 1	02	22 Apr 15	Backplane Label 5 Way
2400D1473	1 of 1	01	22 Apr 15	Backplane Marking Label
2400D1474	1 of 1	02	22 Apr 15	Backplane Instruction Label

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