



**QPS Evaluation Services Inc**  
Testing, Certification and Field Evaluation Body  
Accredited in Canada, the USA, and Internationally

File  
LR1377

**CERTIFICATE OF COMPLIANCE**  
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	HMi Elements Ltd.
Address	Unit A & B Windmill Industrial Estate, Showfield Lane, Malton, North Yorkshire, YO17 6BT, UK
Project Number	LR1377-4
Product	Industrial Computer
Model Number	1301-Z1
Ratings/Markings Applicable Standards	See Annex below CSA C22.2 No. 60079-0:19, CSA C22.2 No. 60079-1 :16, CSA C22.2 No. 60079-11:14, CSA C22.2 No. 60079-18 :16, CSA C22.2 No. 60079-7:16, CSA C22.2 No. 60079-31:15, CSA 60079-28:16, UL 60079-0 7th ed., UL 60079-1 7th ed, UL 60079-11 6th ed, UL 60079-18 4th ed, UL 60079-7 5th ed, UL 60079-31-2 <sup>nd</sup> ed., UL 60079-28 2 <sup>nd</sup> ed., CSA C22.2 No. 60950-1-07 / UL 60950-1-07 (as a guide)
Factory/Manufacturing Location	Same as above

**Statement of Compliance:** The product(s) identified in this Certificate and described in the Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.



Issued By: Dave Adams, P.Eng.

Signature: 

Date: June 5, 2020



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**ANNEX**

Markings/Ratings:

Class I, Zone 1, AEx db eb mb IIC T4 Gb <sup>Note1</sup>

Zone 21, AEx tb IIC T90°C Db <sup>Note2</sup>

Ex db ib mb IIC T4 Gb <sup>Note1</sup>

Ex tb IIC T90°C Db <sup>Note2</sup>

Ta=-40°C to +60°C or Ta=-40°C to +55°C (with media converter fitted)

Note 1: may also include the codes, op is, ib, or [ib]

Note 2: (may also include the codes, op is, ib, or [ib]) (not for models with Rota connector)

100-240V ac, 50-60 Hz, 1.3A

The following electrical connections to the equipment are not intrinsically safe and are made via cable glands or separately certified connectors:

<b>Connector/entry</b>	<b>Rating</b>
AC supply in	100Vac – 240Vac 50/60Hz, 1.3A
Ethernet	100Vac – 240Vac 50/60Hz, 1.0A
USB	5.5V 500mA
RS232	+/- 12V 100mA
RS485	3.5V 100mA

The intrinsically safe connections have the following parameters:

<b>Connector</b>	<b>Output parameters</b>
Horn Interface	U <sub>o</sub> = 26.0V
	I <sub>o</sub> = 88mA
	P <sub>o</sub> = 0.57W
	C <sub>i</sub> = 0
	L <sub>i</sub> = 0
Antenna	Capacitively coupled