



## EU Type Examination Certificate CML 15ATEX2104X Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **1700 Sa Desktop 'op is' Media Converter**
- 3 Manufacturer **HMI Elements Limited**
- 4 Address Unit A & B Windmill  
Industrial Estate,  
Showfield Lane,  
Malton,  
North Yorkshire,  
YO17 6BT,  
UK
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
  
EN 60079-0:2012, Corr 3, A11:2014 IEC 60079-28:2015
- 10 The equipment shall be marked with the following:



II (2) G D

[Ex op is IIC T6 Gb]

[Ex op is IIIC T85°C Db]

Ta= 0 to +40°C

*A Snowden*



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## 11 Description

The 1700 Sa Media Converter is a safe area desktop-mounted unit which serves to connect up to two fibre connections from the hazardous area to a copper Local Area Network for data management.

The 1700 Sa Media Converter Device has an aluminium body with two end plate covers. The unit power source is ac mains via a standard 'IEC' socket and the detachable cable cord. The input socket also has a fuse and fuse holder, as well as a local 'I/O' switch.

There are two twin ST connector fibre ports and two RJ45 connectors for the Gigabit Ethernet ports, located on the rear end plate cover, along with the input power socket. Topology will that of an unmanaged switch.

The power and data link status will be indicated via the five panel LEDs on the front enclosure end plate.

### Variation 1

This variation includes the following modifications:

- i. Change of the manufacturer's name to Smart-Ex Technology Ltd.
- ii. Removal of reference to the previous company name from the model number.
- iii. To update the certificate reference to the 2014/34/EU Directive.

### Variation 2

This variation includes the following modification:

- i. Change of the manufacturer's name to HMI Elements Limited.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	30/09/2015	R644A/00	Issue of prime certificate
1	03/11/2017	R11424A/00	Introduction of Variation 1
2	16/01/2018	R11519A/00	Introduction of Variation 2

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.



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#### **14 Special Conditions for Safe Use (Conditions of Certification)**

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 The 1700 Sa Desktop 'op is' Media Converter device shall be installed in a clean and dry non-hazardous area only, with only the optical radiation output being suitable for a Zone 1 and/or 21 environment.

## Certificate Annex



**Certificate Number** CML 15ATEX2104X  
**Equipment** 1700 Sa Desktop 'op is' Media Converter  
**Manufacturer** HMI Elements Limited

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
D100231	1 to 4	A	29/09/2015	iSiS1700Sa GA
D100229	1 of 1	A3	29/09/2015	iSiSSa – Desktop 'op is' Media Converter Enclosure Label
D100228	1 of 1	A0	29/09/2015	iSiS1700 Block Wiring Diagram

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
D100229	1 of 1	A4	03/11/2017	Smart-Ex 1700Sa – Desktop 'op is' Media Converter Enclosure Label

### Issue 2

Drawing No	Sheets	Rev	Approved date	Title
D100229	1 of 1	B0	16/01/2018	1700Sa – Desktop 'op is' Media Converter Enclosure Label