

**Certificate Number**  
**ABTECH18ATEX4151X**

**Issued 28<sup>th</sup> June 2018**  
**7<sup>th</sup> January 2019 Iss 02**  
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**1 EC CERTIFICATE OF CONFORMITY**

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

**3** Certificate Number: **ABTECH18ATEX4151X**

**4** Equipment: **eWAP-350Ex**

**5** Manufacturer: **Abtech Limited**

**6** Address: **Newhall Road, Lower Don Valley, Sheffield, S9 2QJ**

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

**8** Abtech Limited as the manufacturer of the equipment identified in 4 above certifies that it has been tested and 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 of the Directive.

The examination and test results are recorded in confidential report number R056646/R0.

**9** Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-15:2010, EN60079-0:2012+A11:2013, EN60079-7:2015, EN60079-11:2012

**10** If the sign 'X' is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

**11** This Certificate of Conformity relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

**12** The marking of the equipment shall include the following:

 II 3 (1) G Ex nA [ja Ga] IIC T5 Gc (-20°C≤Tamb≤50°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

A handwritten signature in black ink, appearing to read 'M. Lancashire', is written over a horizontal line.

M. Lancashire  
Managing Director  
Abtech Limited

**Abtech Limited**  
Newhall Road,  
Lower Don Valley  
Sheffield,  
South Yorkshire,  
S9 2QJ, UK

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**SCHEDULE**

14

**Certificate Number: ABTECH18ATEX4151X**

**15 Description of Equipment**

The eWAP-350Ex is a wireless access point, housed in an Abtech SX enclosure of size 350x350x200mm, component certified Ex eb, having certificate number CML 15ATEX3078U and fitted with:

Lancom IAP-821 wireless access point supplied by PoE through an RJ45 connector connected to Ex e certified terminals. Output from the WAP passes through an iSOLATE501 Intrinsically Safe Ultra-Wide Band RF Galvanic Isolator, certified Ex nA (with Ex ia output) under certificate number TRAC15ATEX0050X. The iSOLATE501 is earthed to the enclosure internal earth connection. Antenna(s) are iANT212 - Compact WiFi Antenna which is classed as simple apparatus.

The enclosure may be fitted with gland plates on any or all of the 4 sides. Closed cell silicone sponge gasket is used to seal the door and gland plates. The enclosure detailed above is the minimum enclosure size, a larger enclosure may be used.

The list of components and maximum quantity of each component is shown in the drawings listed in section 19

Input voltage: 24V dc

**16 Test Report Number: R056646/R0**

**17 Special conditions for safe use**

1. Cable entry and stopping devices which meet the requirements of EN 60079-15 must be used.
2. Any special conditions listed in the certificate(s) of any components used must be adhered to and in particular the special conditions of the iSOLATE501 galvanic isolator.
3. The equipment is not capable of withstanding the 500V insulation test required in clause 6.5.1 of EN60079-15:2010 'insulation from earth or frame', and this must be taken into account when installing the equipment. Refer to the manufacturers' instructions for guidance.

**18 Essential Health and Safety requirements**

All relevant health and safety requirements are covered by the standards listed at item 9.

**19 Drawings and Documents**

Number	Sheet	Issue	Date	Description
EPIC-POB-07-038	01	0	09.11.2017	Internal Layout (Side View)
EPIC-POB-07-039	01	0	09.11.2017	eWAP-350 Enclosure Dimensions
EPIC-POB-07-040	01	0	09.11.2017	Backplate Dimensions and Layout
ABT33253	01	C	28.06.2018	Enclosure Machining Detail
ABT34149	01	A	28.06.2018	Certification Label