



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TRC 14.0010X Issue No: 3 Certificate history:
Status: **Current** Issue No. 3 (2018-07-25)
Date of Issue: **2018-07-25** Page 1 of 4 Issue No. 2 (2016-02-25)
Applicant: **Extronics Limited** Issue No. 1 (2015-03-19)
1, Dalton Way, Issue No. 0 (2014-04-10)
Midpoint 18,
Middlewich,
Cheshire,
CW10 0HU
United Kingdom

Equipment: **IWAP Wireless Zone 1 Access Point Enclosure, Models- IWAP107, IWAP107-T,
iRFID10x, iRFID10x-T**

Optional accessory:

Type of Protection: **Flameproof, Enclosure, Intrinsic Safety**

Marking: Ex d [ia IIC Ga] IIB+H₂ T5 Gb Ex tb [ia Da] III C T100°C Db -40°C or -20°C ≤ T_{amb} ≤ 60°C

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN





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Manufacturer: **Extronics Limited**
1, Dalton Way,
Midpoint 18,
Middlewich,
Cheshire,
CW10 0HU
United Kingdom

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/TRC/ExTR14.0010/00](#) [GB/TRC/ExTR14.0010/01](#) [GB/TRC/ExTR14.0010/02](#)
[GB/TRC/ExTR14.0010/03](#)

Quality Assessment Report:

[GB/SIR/QAR08.0025/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The iWAP107 is a Zone 1 access point enclosure with intrinsically safe RF outputs which is designed to allow the deployment of wireless networks in a hazardous area. The flameproof enclosure (IECEX INE 13.0083U) is constructed from either aluminium or stainless steel and is secured using 18 x M10 fasteners with a yield strength of 700MPa. Entries into the enclosure are M20/M25 or ½ ¾" NPT. The equipment is either AC powered (90-253Vac) or DC powered (20-30Vdc) and has an option to be POE powered over the Ethernet. The RF output utilises a cemented bushing with an external RF type interconnector.

Models covered are :

iWAP107- DDD (T_{amb} -20°C to +60°C)

iWAP107 -T-DDD (T_{amb} -40°C to +60°C)

iRFID10x- DDD (T_{amb} -20°C to +60°C)

iRFID10x- T-DDD (T_{amb} -40°C to +60°C)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Contact Extronics for information on the dimensions of the flameproof joints.
2. The RF output is only to be connected to an antenna suitable for the hazardous location, refer to the galvanic isolator iSOLATE501 RF equipment certificates (IECEX TRC 15.0015X / TRAC15ATEX0050X) or iSOLATE500 RF equipment certificates (IECEX BAS 13.0064X / BAS13ATEX0112X) and associated instructions.
3. If the RF output connector is not intended to be connected to cable/and or antenna, the output connector must be capped.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:

Add new model type iRFID10x, extended temperature variants –T. Change in certified enclosure removes the requirement for routine tests.

Issue 2:

Replacing the iSOLATE500 galvanic Isolator with the iSOLATE501 model in the iWAP107.

Issue 3

Correction to certificate number referenced in “Specific Conditions of Use” 2.

Annex:

[Annex to IECEX TRC 14.0010X is 3.pdf](#)