



# Epsilon

## 1 EC - Type Examination Certificate

2 Equipment intended for use in potentially explosive atmospheres

3 Certificate Number: EPSILON 07 ATEX 2316

4 Equipment: IWAP400

5 Manufacturer: Extronics

6 Address: Meridian House  
Roe Street  
Congleton, Cheshire, CW12 4PG, UK

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

8 Epsilon, Notified Body number 1712 in accordance with Article 9 of the Council directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the directive

The examination and test results are recorded in confidential report no RETS(A)2577/A/1


9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

BS EN 60079-0: 2006, BS EN 60079-7: 2007, BS EN 60079-11: 2007, BS EN 60079-18: 2004

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

11 This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

12 The marking of the equipment shall include the following:

 II (1) G Ex emb [ia] IIC T4



On behalf of Epsilon  
  
S D'Henin  
Director

Date: 21 November 2007

Certificate 07 ATEX 2316

This certificate may only be reproduced in its entirety and without any change, schedule included. The certificate is only valid when it carries an original signature and holographic security label. For help or assistance relating to this certificate, contact [cs@epsilonex.com](mailto:cs@epsilonex.com).

Epsilon Compliance Services Limited is a trading name of Epsilon Technical Services Limited





13 **Schedule**

14 Certificate Number: EPSILON 07 ATEX 2316

15 Description of Equipment or protective system

The iWAP400 is an USB compatible 'WiFi certified' adaptor. It has an encapsulated circuit board inside in a metal enclosure, power is via the USB interface at 5.0V and 500mA. ATEX safety concepts used are encapsulation 'm', increased safety 'e' and an intrinsically safe 'i' RF output.

The intrinsically safe output electrical characteristics are:-

$$U_o = 8.10V$$

$$I_o = 2.96A \text{ (transient)}$$

16 Descriptive Documents

16.1 Report No: RETS(A)2577/A/1

16.2 Drawings:

Number	Sheet	Date	Issue	Description
319383	1 to 2	31/10/2007	REL01	iWAP400 GA
319900	1 of 1	31/10/2007	1	iWAP400 ATEX Label Drawing
319156	1 of 1	31/10/2007	01	iWAP400 USB protection circuit schematic
319362	1 to 13	01/11/2007	01	iWAP400 PCB Main Board PCB Layout
319307	1 of 1	31/10/2007	01	Bill of Materials for iWAP400
319959	1 of 2	06/11/2007	01	iSOLATE200 Schematic
319962	1 of 1	06/11/2007	01	iSOLATE200 PCB Layout
319960	1 of 1	06/11/2007	01	Bill of Materials for iSOLATE200

17 Conditions of Certification

17.1 Special Conditions for Safe Use  
*None*

17.2 Conditions for Use  
*None*

18 Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by section 9:  
Are covered by manufacturer's instructions.

The manufacturer shall inform the notified body of any modifications to the design of the product described by this schedule

Certificate 07 ATEX 2316

This certificate may only be reproduced in its entirety and without any change, schedule included.  
For help or assistance relating to this certificate, contact cs@epsilonex.com.

Epsilon Compliance Services Limited is a trading name of Epsilon Technical Services Limited

