



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: Sira 06ATEX3198X

4 Equipment: iANT100-\*-\* Omni-Directional Zone 1/21 & Zone 2/22 LAN Base Antenna

5 Applicant: Extronics Ltd

6 Address: Meridian House  
Roe Street  
Congleton  
Cheshire  
CW12 1PG

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, 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 confidential report number R51A15332A.

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 50014:1997 (including amendments A1 to A2)

EN 50019:2000

EN 50281-1-1:1998 (including amendment A1)

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 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 2GD  
IP66

EEx e II T6 (T<sub>a</sub> = -40°C to +60°C)

Project Number 51A15332  
Date 17 July 2006  
C. Index 15

This certificate and its schedules may only be reproduced in its entirety and without change

C Ellaby  
Certification Officer

**Sira Certification Service**

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**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 06ATEX3198X

**13 DESCRIPTION OF EQUIPMENT**

The antenna comprises a single copper-plated steel conductor running along the axis of a cylindrical housing made from a non-conducting plastics material, the central conductor acting as a radiating element for the transmission of radio frequency radiation. The antenna is supplied with an integral flying lead of co-axial cable.

**14 DESCRIPTIVE DOCUMENTS**

| <b>14.1 Drawing No.</b> | <b>Rev.</b> | <b>Sheet</b> | <b>Date</b><br>(Sira stamp) | <b>Title</b>  |
|-------------------------|-------------|--------------|-----------------------------|---------------|
| 314185                  | 1           | 1 of 1       | 13 Jul 06                   | Label drawing |

14.2 Report number R51A15332A

14.3 Certificate number Sira 03ATEX3213X.

**15 SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 If the flying lead is terminated in the hazardous area, then it shall be installed in an appropriately certified enclosure. An example would be termination inside a flameproof enclosure via a suitable certified flameproof gland.

15.2 The maximum radiated power shall not exceed 1 W.

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II** (EHSR's)

The relevant EHSR's that are not addressed by the standards listed in this certificate have been identified and individually assessed in report number R51A15332A.

**17 CONDITIONS OF CERTIFICATION**

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 This product shall be uniquely marked with the label identified in section 14.1 of this certificate.

17.4 All products covered by this certificate will have been assessed by Sira under revisions to the certificate listed in 14.3 above and consequently will only be updated when the product design alters, or if the Conditions of Certification or Safe Use included in Sira 03ATEX3213X are modified.

Date 17 July 2006

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