



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 06ATEX3198X** Issue: **1**

4 Equipment: **iANT101-*-* 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 the confidential reports listed in Section 14.2.

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_a = -40°C to +60°C)

Project Number 51A18411
C. Index 15

D R Stubbings BA MIET
Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 06ATEX3198X
Issue 1

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.

Variation 1 - This variation introduced the following changes:

- i. To permit the reduction in the dimensions of the PTFE body'

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report No. | Comment |
|-------|--------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 | 17 July 2006 | R51A15332A | The release of the prime certificate. |
| 1 | 04 June 2008 | R51A18411A | This Issue covers the following changes: <ul style="list-style-type: none">• All previously issued certification was rationalised into a single certificate, Issue X, Issues 0 to X-1 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.• The introduction of Variation 1. |

14.3 Certificate number Sira 03ATEX3213X last amended 28 April 2008.

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 (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

**Sira 06ATEX3198X
Issue 1**

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.

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Certificate Annexe

Certificate Number: Sira 06ATEX3198X
Equipment: iANT100-*-* Omni-Directional Zone 1/21 & Zone 2/22 LAN Base Antenna
Applicant: Extronics Ltd



Issue 0

| Number | Sheet | Rev. | Date (Sira Stamp) | Description |
|--------|-------|--------|----------------------|---------------|
| 314185 | 1 | 1 of 1 | 13 Jul 06 | Label drawing |

Issue 1

| Number | Sheet | Rev. | Date | Description |
|--------|--------|------|-----------|---------------|
| 314042 | 1 of 1 | 2 | 02 Jun 08 | iANT101 Label |

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