



# 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](http://www.iecex.com)

Certificate No.: IECEx CSA 10.0015X

Issue No: 5

Certificate history:

Status: **Current**

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[Issue No. 5 \(2013-04-05\)](#)

[Issue No. 4 \(2013-01-23\)](#)

[Issue No. 3 \(2012-12-04\)](#)

[Issue No. 2 \(2012-03-19\)](#)

[Issue No. 1 \(2011-07-08\)](#)

[Issue No. 0 \(2010-11-30\)](#)

Date of Issue: **2013-04-05**

Applicant: **Azonix Corporation**  
Building 4, 101 Billerica Ave.,  
North Billerica, MA 01862  
**United States of America**

Electrical Apparatus: **Industrial Computer, Barracuda WS**  
*Optional accessory:*

Type of Protection: **Ex n**

Marking: Ex nA IIC T3 Gc  
IP56  
Ta= -40°C to +50°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Dorin Stochitoiu, P.Eng

*Position:*

Technical Advisor

*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](#).

Certificate issued by:

**CSA International**  
**178 Rexdale Boulevard**  
**Toronto, Ontario M9W 1R3**  
**Canada**  
**and**  
**1707 - 94th Street**  
**Edmonton, AB T6N 1E6**  
**Canada**





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Manufacturer: **Azonix Corporation**  
Building 4, 101 Billerica Ave.,  
North Billerica, MA 01862, USA  
**United States of America**

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 electrical 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** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

*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:

CA/CSA/ExTR10.0014/00  
CA/CSA/ExTR10.0014/03

CA/CSA/ExTR10.0014/01  
CA/CSA/ExTR10.0014/04

CA/CSA/ExTR10.0014/02

### Quality Assessment Report:

GB/SIR/QAR10.0020/00



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Barracuda WS is rugged, stand-alone 15" display/workstation that is designed for use in harsh industrial conditions. The IP56 chromium-finished aluminium alloy enclosure has a touch screen in the cover that is bonded to the enclosure for protection against hose-down cleaning or inclement weather conditions. The workstation version incorporates a single board computer. The display is passively enhanced for full sunlight viewability. The Barracuda WS has two power supplies: the main supply is in a separate enclosure (external to main unit) and the heater power supply is installed inside the unit. Both supplies are 100-240 Vac, 50/60 Hz, 3 A maximum. The mains input goes into the external power supply enclosure and then branches to supply the main power supply in the same enclosure and the heater power supply in the main unit.

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. To be installed in an area of low risk to mechanical impact



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

Issue 1: New single board computer (SBC) assembly iBASE ODM-IB950-AZ, introduction of a 12V ATX supply for the SBC, introduction of an Optrex T-55534D150J-LW-ABN display as a replacement for the existing Sharp LQ150X1LGB1 display and Introduction of an updated LED driver board for the Optrex T-55534D150J-LW-ABN backlight.

Issue 2: Addition of second serial port and external keyboard.

Issue 3: Certificate was revised to correct markings according to the standard edition applied and correct the standard used for certification

Issue 4: Addition of alternate touch screen, its associated hardware and cables.

Issue 5: Azonix is adding a new Fiber LAN POF option (EoPOF) to the Barracuda 15 WS. The fiber LAN option for Ethernet over Plastic Fiber (EoPOF) is an alternative for the Glass Fiber equipped LAN previously assessed by CSA, under this certificate (IECEx CSA 10.0015X).