



# 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 ETL 15.0013X Issue No: 0 Certificate history:  
Issue No. 0 (2015-06-30)

Status: **Current** Page 1 of 3

Date of Issue: **2015-06-30**

Applicant: **Online Development, Inc.**  
7209 Chapman Highway  
Knoxville, TN 37920  
**United States of America**

Electrical Apparatus: **Communication Module**  
*Optional accessory:*

Type of Protection: **Ex nA "non-arcing, non-sparking"**

Marking:  
Ex nA IIC T4 Gc  
0C < Tamb < 60C for non-XT models  
-25C < Tamb < 70C for XT models  
IECEX ETL 15.0013X

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

Don Card

*Position:*

Certification Officer

*Signature:  
(for printed version)*

*Date:*

1 July 2015

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:

**Intertek**  
3933 US Route 11 South  
Cortland NY 13045-2995  
United States of America





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Date of Issue: 2015-06-30 Page 2 of 3  
Manufacturer: **Online Development, Inc.**  
7209 Chapman Highway  
Knoxville, TN 37920  
**United States of America**

Additional Manufacturing  
location(s):

**General Microcircuits Inc.**  
1133 North Main Street  
Moorseville, NC 28115  
United States of America

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:

[US/ETL/ExTR15.0012/00](#)

Quality Assessment Report:

[US/ETL/QAR14.0006/00](#)      [US/ETL/QAR15.0005/00](#)



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## Schedule

### EQUIPMENT:

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

The MVI56E Communication Module is an industrial control module for use in an Allen Bradley ControlLogix chassis. The module is not directly connected to an electrical mains supply; it is provided power and communication to other modules through the chassis. The module itself has includes a PCB with an arrangement of ICs and pin-connectors/RJ-45 Ethernet ports as well as a reset switch. There are two variants for each model which is distinguished by either having an "XT" suffix in the model name or not. Physically, the models are the same, but the "XT" models utilize a conformal coating which allows the product to undergo harsher ambient temperatures. The models included are:

0°C ≤ Ta ≤ +60°C : MVI56E-FLN, MVI56E-GSC, MVI56E-MCM, MVI56E-MCMR, MVI56E-MNET, MVI56E-MNETC, MVI56E-MNETCR, MVI56E-MNETR, MVI56E-DNPNET, MVI56E-61850S, MVI56E-SIE

-25°C ≤ Ta ≤ 70°C : MVI56E-MCMXT, MVI56E-MNETXT, MVI56E-GSCXT

Ratings: 800mA @ 5V; 3mA @ 24V

Product's carry Brand Name of "ProSoft Technology" manufactured by Online Development Inc. (OLDI).

See Annex for manufacturer's documentation

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

1. These products are intended to be mounted in an IECEx Certified, tool-secured, IP54 enclosure. The devices shall provide external means to prevent the rated voltage being exceeded by transient disturbances of more than 40%. This device must be used only with IECEx certified backplanes.
2. Before operating the reset switch, be sure the area is known to be non-hazardous.

### Annex:

[Annex doc for IEC Ex CofC or TR.pdf](#)



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<b>Certificate No:</b>	<b>IEC Ex ETL 15.0013X</b>	<b>Issue No. 0</b>
<b>Annex No. 1</b>		

**Manufacturer's documents**

**Drawings associated with Issue 0 of this certificate:**

Title:	Drawing No.:	Rev. Level:	Date:
dATM	1600613	2.1	3-21-2011
MVI56E (9260) MECHANICAL ASSY	1600595	1.0	6-17-08
MVI56 (dATM)	1301344B	B	9-28-2012
MVI56E-61850S_Rev.C	MVI56E61850S_RevC	C	6/2/2015
MVI56E-DNPNET_Rev.G	MVI56EDNPNET_RevG	G	6/2/2015
MVI56E-FLN_Rev.G	MVI56EFLN_RevG	G	6/2/2015
MVI56E-GSC_Rev.G	MVI56EGSC_RevG	G	6/2/2015
MVI56E-GSCXT_Rev.G	MVI56EGSCXT_RevG	G	6/2/2015
MVI56E-MCM_Rev.G	MVI56EMCM_RevG	G	6/2/2015
MVI56E-MCMR_Rev.G	MVI56EMCMR_RevG	G	6/2/2015
MVI56E-MCMXT_Rev.G	MVI56EMCXT_RevG	G	6/2/2015
MVI56E-MNET_Rev.G	MVI56EMNET_RevG	G	6/2/2015
MVI56E-MNETC_Rev.I	MVI56EMNETC_RevI	I	6/2/2015
MVI56E-MNETCR_Rev.F	MVI56EMNETCR_RevF	F	6/2/2015
MVI56E-MNETR_Rev.G	MVI56EMNETR_RevG	G	6/2/2015
MVI56E-MNETXT_Rev.G	MVI56EMNETXT_RevG	G	6/2/2015
MVI56E-SIE_Rev.G	MVI56ESIE_RevG	G	6/2/2015
MVI56E-61850S ControlLogix Platform	-	-	September 3, 2014
MVI56E-DNPNET ControlLogix Platform	-	-	February 13, 2015
MVI56E-FLN ControlLogix Platform	-	-	April 18, 2011
MVI56E-GSC ControlLogix Platform	-	-	May 9, 2014
MVI56E-MCM ControlLogix Platform	-	-	June 17, 2014
MVI56E-MCMR ControlLogix Platform	-	-	May 13, 2014
MVI56E-MNET / MNETXT ControlLogix Platform	-	-	April 23, 2014

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Title:	Drawing No.:	Rev. Level:	Date:
MVI56E-MNETC ControlLogix Platform	-	-	February 3, 2013
MVI56E-MNETCR ControlLogix Platform	-	-	June 14, 2011
MVI56E-MNETR ControlLogix Platform	-	-	June 14, 2011
MVI56E-SIE ControlLogix Platform	-	-	September 6, 2012

### List of different models and their applications

MVI56E-61850S – IEC 61850 Server Communication Module  
 MVI56E-DNPNET – DNPNET Ethernet Client/Server Communication Module  
 MVI56E-FLN – FA Control Network Ethernet Communication Module  
 MVI56E-GSC/GSCXT\* – Enhanced Generic ASCII Serial Communication Module  
 MVI56E-MCM/MCMXT\* – Modbus Communication Module  
 MVI56E-MCMR – Modbus Communication Module with Reduced Data Block  
 MVI56E-MNET/MNETXT\* – Modbus TCP/IP Interface Module  
 MVI56E-MNETC – Modbus TCP/IP Client Enhanced Communication Module  
 MVI56E-MNETCR – Modbus TCP/IP Multi Client Enhanced Communications Module for Remote Chassis  
 MVI56E-MNETR – Modbus TCP/IP Interface Module with Reduced Data Block  
 MVI56E-SIE – Siemens Industrial Ethernet Client Communication Module

\* -XT refers to models which are conformal coated to sustain harsher environments and a wider range of operating temperature

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