



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEx UL 25.0039X</b>	Page 1 of 3	<a href="#">Certificate history:</a>
Status:	<b>Current</b>	Issue No: 0	
Date of Issue:	2025-04-29		
Applicant:	<b>M2I Corporation</b> 11-35, Simin-daero 327beon-gil Dongan-gu Anyang-si Gyeonggi-do 14055 <b>Korea, Democratic People's Republic</b>		
Equipment:	<b>Industrial HMI Touch Panel</b>		
Optional accessory:			
Type of Protection:	<b>Increased Safety "ec"</b>		
Marking:	Ex ec IIC T6 Gc -10°C ≤ Ta ≤ +50°C		

Approved for issue on behalf of the IECEx  
Certification Body:

**Lucy Frieders**

Position:

**Staff Engineer**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-04-29

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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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**UL Solutions (US)**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
**United States of America**





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Certificate No.: **IECEX UL 25.0039X**

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Manufacturer: **M2I Corporation**  
11-35, Simin-daero 327beon-gil  
Dongan-gu  
Anyang-si  
Gyeonggi-do 14055  
**Korea, Democratic People's Republic**

Manufacturing locations: **M2I Corporation**  
11-35, Simin-daero 327beon-gil  
Dongan-gu  
Anyang-si  
Gyeonggi-do 14055  
**Korea, Democratic People's Republic**

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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/UL/ExTR25.0043/00](#)

Quality Assessment Report:

[US/UL/QAR22.0008/01](#)



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Certificate No.: **IECEx UL 25.0039X**

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

This industrial HMI touch panel, TOPRT Series is an industrial control device required in industrial field and intended to be flush mounted through enclosure opening with the terminal facing inside the final enclosure (Panel-mount). The class 2 power is supplied via non-standardized connector located on rear side of device. The device has RS 232C and RS 422/485, Ethernet ports which is used for the basic purpose of communication with another Device (PLC).

**Please see Annex for additional information.**

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- Equipment shall be installed in a back enclosure with tool removable door or cover that provides a degree of protection not less than IP54 in accordance with IEC 60079-0.
- Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140%.
- The equipment shall only be installed in locations where there is a low risk of mechanical damage.
- Touch the device after wiping the front panel with a damp cloth or wearing anti-static gloves, to avoid the electrostatic charge.

## **Annex:**

[Annex to IECEx UL 25.0039X Issue 0.pdf](#)



# IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx UL 25.0039X

Issue No.: 0

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## TYPE DESIGNATION

Model	TOPRT	00	50	W	D	-Ex	***
	I	II	III	IV	V	VI	VII

I. TOPRT Series

II. Screen Size

15 – 15.0 inch

19 – 18.5 inch

III. Option:

50 – Standard

IV. Resolution:

W – WXGA (1366\*768)

V. Power:

D - DC

VI. Anti-Explosion

Ex – Explosion proof or special model

VII. \*\*\* – Not affecting the protection method

Blank, digits, or letters

## PARAMETERS RELATING TO THE SAFETY

20-28Vdc, 40W (Class 2)

Annex to Certificate No.:



















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## MARKING

Marking has to be readable and indelible; it has to include the following indications:

<b>TOPRT1550WD-Ex</b> Industrial HMI Touch Panel 工业操作终端		 Made In Korea / 韩国制造
S / N (产品系列号): IN(输入): 20 ~ 28V $\equiv$ Class2, 40W Inside Cell(内部电池): CR2032(Lithium)/Panasonic Tamb(使用温度): $-10^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ Ingress Protection(入口保护): IP54(Front/正面), IP2X(Rear/背部)		M2I Bldg, Simin-daero 327, Anyang-si, 14055 +82-31-465-3366
⚠ If you need change the inside battery please contact the A/S center WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD ⚠ See Instructions ⚠ For use on a flat surface of a Type 1 Enclosure		Service & Support <a href="http://www.m2i.co.kr">www.m2i.co.kr</a> V
<div>  <ul style="list-style-type: none"> <li>- 电压确认! DC20~28伏专用</li> <li>- Check the input voltage! DC20V~28V.</li> <li>- 입력 전압 확인! DC20V~28V.</li> <li>- 电源的电压超过产品的额定电压, 产品可能会被破坏.</li> <li>- If the voltage exceeds the rated voltage of the unit, the unit may be damaged.</li> <li>- 사용할 전원의 전압이 기기의 정격 전압을 초과하면, 제품이 파손될 수 있습니다.</li> <li>WARNING - DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED, or equivalent.</li> <li>AVERTISSEMENT-NE PAS CONNECTER OU DÉCONNECTER LORSQUE L'ÉQUIPEMENT EST SOUS TENSION.</li> </ul> </div>		
 R-R-M2I-ORT1550WD   Ex ec IIC T6 Gc KGS 2x-GaXXX-XXXXX	   IIBG Ex ec IIC T6 Gc UL 25 ATEX 3389X IECEx UL 25.0039X	 E526P1P PROG. CTRLR Class I Division 2 Group A, B, C, D T6 Haz. Loc   Ex ec IIC T6 Gc
<b>TOPRT1950WD-Ex</b> Industrial HMI Touch Panel 工业操作终端		 Made In Korea / 韩国制造
S / N (产品系列号): IN(输入): 20 ~ 28V $\equiv$ Class2, 40W Inside Cell(内部电池): CR2032(Lithium)/Panasonic Tamb(使用温度): $-10^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ Ingress Protection(入口保护): IP54(Front/正面), IP2X(Rear/背部)		M2I Bldg, Simin-daero 327, Anyang-si, 14055 +82-31-465-3366
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<div>  <ul style="list-style-type: none"> <li>- 电压确认! DC20~28伏专用</li> <li>- Check the input voltage! DC20V~28V.</li> <li>- 입력 전압 확인! DC20V~28V.</li> <li>- 电源的电压超过产品的额定电压, 产品可能会被破坏.</li> <li>- If the voltage exceeds the rated voltage of the unit, the unit may be damaged.</li> <li>- 사용할 전원의 전압이 기기의 정격 전압을 초과하면, 제품이 파손될 수 있습니다.</li> <li>WARNING - DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED, or equivalent.</li> <li>AVERTISSEMENT-NE PAS CONNECTER OU DÉCONNECTER LORSQUE L'ÉQUIPEMENT EST SOUS TENSION.</li> </ul> </div>		
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