



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

Certificate No.: **IECEX NEP 23.0008X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-05-06
Applicant: **Winmate Inc.**
9F No.111-6, Shing-De Rd.
San-Chung District
New Taipei City, Taiwan 24158
China
Equipment: **M-series Box & Panel PC**
Optional accessory:
Type of Protection: **Ex ec**
Marking: Ex ec IIC T4 Gc
Tamb: -20°C ~+60°C

Approved for issue on behalf of the IECEx
Certification Body:

Guo Aihua

Position:

General Manager

Signature:
(for printed version)

Date:
(for printed version)

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.
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Certificate issued by:

**Shanghai Inspection and Testing Institute of Instruments
and Automatic Systems Co., Ltd. (SITI/IAS)/
National Supervision and Inspection Center for Explosion
Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China**



SITI/IAS
Worldwide Access



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Manufacturer: **Winmate Inc.**
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San-Chung District
New Taipei City, Taiwan 24158
China

Manufacturing locations: **Winmate Inc.**
9F No.111-6, Shing-De Rd.
San-Chung District
New Taipei City, Taiwan 24158
China

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:

[CN/NEP/ExTR23.0009/00](#)

Quality Assessment Report:

[GB/SIR/QAR15.0008/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The M-series Box & Panel PC are designed to be mounted in the zone 2 hazardous area providing a user interface to interconnected equipment via 12, 15, 17,19, 21.5 or 23.8 inch touchscreen. External power supply connection is made via screw terminal, whereas the various communication connections are made via secured plug and socket connections located on the back bottom of the equipment. However, PCIEX4, all PXIEX ports, all USB ports, PCIe slots, HDMI and Display port, Audio Jack and 2 caved reset buttons shall not be used or pushed when an explosive atmosphere may present.

The equipment is designed to be mounted in an area of not more than pollution degree 2 in accordance with IEC 60664-1, and in a suitably certified enclosure with only the touch screen accessible. Such enclosure shall provide a degree of protection of at least IP54 and meets the relevant requirements of IEC 60079-0 and IEC 60079-7.

The following models are covered by this report:

R12ITWS-MHM2-EX, R15ITWS-MHB1-EX, R17ITWS-MHA1-EX, R19ITWS-MHA3-EX, W22ITWS-MHB1-EX, W24ITWS-MHA2-EX

The structures between the models are same except the size and display characteristics (resolution, brightness,etc.).

Rating: (9~29)VDC, +9V/13.3A, +29V/4.13A, or +12V/10A

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment is designed to be mounted in an area of not more than pollution degree 2 in accordance with IEC 60664-1, and in a suitably certified enclosure with only the touch screen accessible. Such enclosure shall provide a degree of protection of at least IP54 and meets the relevant requirements of IEC 60079-0 and IEC 60079-7.
2. It is extremely important that the box (Model No. ITMH100-EX) and the panel module must not be used separately in any situation, make sure to keep the box and the panel module intact and connected tight at all times.
3. PCIEX4, all PXIEX ports, all USB ports, PCIe slots, HDMI and Display port, Audio Jack and 2 caved reset buttons shall not be used or pushed when an explosive atmosphere may present.
4. The impact tests carried out on the touch screen were 2J, therefore the equipment shall only be installed in locations where there is a low risk of impact damage.
5. Do not connect or disconnect when energized.
6. At the power supply terminal, provisions shall be made to prevent the peak rated voltage from being exceeded more than 40% by the transient disturbance.