



# 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 UL 17.0030X

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-11-15\)](#)

Status: **Current**

Page 1 of 3

Date of Issue: **2017-11-15**

Applicant: **iTech Company LLC.**  
42978 Osgood Road  
Fremont, CA 94539 USA

Equipment: **Stainless Panel PC - WCH1500-C1D2-V2**

*Optional accessory:*

Type of Protection: **Non-Sparking "nA"**

Marking:

Ex nA IIC T4 Gc

-20°C ≤ Tamb ≤ +50°C

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

Paul T. Kelly

*Position:*

Principal Engineer - Global Hazardous Locations

*Signature:  
(for printed version)*

*Date:*

2017-11-15

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:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





# IECEx Certificate of Conformity

Certificate No: IECEx UL 17.0030X

Issue No: 0

Date of Issue: 2017-11-15

Page 2 of 3

Manufacturer: iTech Company LLC.  
42978 Osgood Road  
Fremont, CA 94539 USA

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:

[US/UL/ExTR17.0031/00](#)

Quality Assessment Report:

[GB/SIR/QAR15.0008/02](#)



# IECEx Certificate of Conformity

Certificate No: IECEx UL 17.0030X

Issue No: 0

Date of Issue: 2017-11-15

Page 3 of 3

## Schedule

### EQUIPMENT:

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

The equipment is a standalone type, Embedded System Stainless Panel PC, model WCH1500-C1D2-V2, consisted of a 15-inches panel PC and a Box cover, intended to be VESA mounted to the wall. While installing with applicable Ex-certified IP65 wiring, the panel PC has IP65 sealing rating. The box cover does not have IP protection. The equipment provided with LAN port, COM port( Serial Port), USB port and VGA port which can switch either Display mode or Panel PC mode

Please see Annex for additional information.

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

- Subject device has been evaluated to the enclosure requirements for Ingress Protection IP65 in accordance with IEC 60079-15. All external connections must be Ex certified with minimum IP65 degree of protection. Suitability of wiring must be determined in end-use applications. Box does not have an IP rating.
- The equipment shall only be used in an area of not more than pollution degree 2 as defined in IEC 60664-1.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage at the supply terminals to the equipment.

### Annex:

[Annex to IECEx UL 17.0030X Issue 0.pdf](#)

[ATTWRFXS.pdf](#)



# IECEx Certificate of Conformity

Certificate No.: IECEx UL 17.0030X

Issue No.: 0

Page 1 of 1

## PARAMETERS RELATING TO THE SAFETY

Input: 9-36 VDC, 6.6A

## MARKING

Product Name : Embedded System

Model No : WCH1500-C1D2-V2

Type : Panel PC

Rating: + 9~36V  $\Rightarrow$  6.6A max

Serial No :

1. Class I, Division 2, Groups A, B, C, D  
Hazardous Locations

2. Temperature code T4

3. WARNING read user manual before use

4. ITE for Use in Hazardous Locations

5.  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 50^{\circ}\text{C}$

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received,  
including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements  
of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les  
exigences du Règlement sur le matériel brouilleur du Canada.

Serial No :   
1W1750002870

iTech Company LLC  
42978 Osgood Road Fremont,  
CA 94539 USA



DEMKO  
17 ATEX 1707X  
II 3 G Ex nA IIC T4 Gc  
IECEx UL 17.0030X  
Ex nA IIC T4 Gc

Rev./Date: V1.0, 13/04/17

Part number of this label: 91D000002553

MADE IN TAIWAN



# IECEx Certificate of Conformity

Certificate No.: IECEx UL 17.0030X

Issue No.: 0

Page 1 of 1

## PARAMETERS RELATING TO THE SAFETY

Input: 9-36 VDC, 6.6A

## MARKING

Product Name : Embedded System

Model No : WCH1500-C1D2-V2

Type : Panel PC

Rating: + 9~36V  $\Rightarrow$  6.6A max

Serial No :

1.Class I, Division 2, Groups A, B, C, D  
Hazardous Locations

2.Temperature code T4

3.WARNING read user manual before use

4.ITE for Use in Hazardous Locations

5.  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 50^{\circ}\text{C}$

This device complies with part 15 of the FCC Rules.  
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received,  
including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements  
of the Canadian Interference-Causing Equipment Regulations.  
Cet appareil numérique de la classe B respecte toutes les  
exigences du Règlement sur le matériel brouilleur du Canada.

Serial No :   
1W1750002870

iTech Company LLC  
42978 Osgood Road Fremont,  
CA 94539 USA



DEMKO  
17 ATEX 1707X  
II 3 G Ex nA IIC T4 Gc  
IECEx UL 17.0030X  
Ex nA IIC T4 Gc

Rev./Date: V1.0, 13/04/17

Part number of this label: 91D000002553

MADE IN TAIWAN