



ENVIRONMENT TEST REPORT

Company : Advantech Technology (CHINA) Co., Ltd.
Address : NO.600,Han-Pu Road,Yu-Shan,Kun-Shan,Jiang Su,China
Sample Name : PPC-6170
Date of Received : May. 16, 2013
Date of Tested : May. 19, 2013 ~ May. 20, 2013

TESTING LABORATORY IS ACCREDITED BY:

ISO/IEC 17025 Independent Test Laboratory Approval

Certificate No. : 1.72.0031/A

WE HEREBY CERTIFY THAT:

The test shown in the attachment was made in accordance with the procedures indicated. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all persons taking them.

	Name	Signature	Date
Testing Engineer	Peter Duan	<i>Peter Duan</i>	May. 28, 2013
Section Chief	James Huang	<i>James Huang</i>	May. 28, 2013
General Manager	Coming Chen	<i>Coming Chen</i>	May. 28, 2013

Notes :

1. This report will be invalid if duplicated or photocopied in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid as separately used.
3. This report is invalid without examination stamp and signature of this institute.
4. The tested specimen(s) will be preserved for thirty days from the date issued, if not taken back by the applicant.



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Report No. : KS1305160011A

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1. GENERAL INFORMATION

1.1 DESCRIPTION OF EUT

MANUFACTURER : Advantech Technology (CHINA) Co., Ltd.

SAMPLE NAME : PPC-6170

SAMPLE QUANTITY : 1 unit

※NOTE: EUT means "Equipment under test".

1.2 EUT TESTING SETUP: See attachment

1.3 EUT OPERATING CONDITION: None

2. IP6X DUST TEST

2.1 DESCRIPTION OF TEST EQUIPMENT

Test equipment : Vötsch-VDT 1000A (RA-05)

Inside dimension : 95(Wide)*95(Deep)*90(High)/centimeter

Calibration date : January. 09, 2013

Expiration date : January. 09, 2014

2.2 LABORATORY AMBIENCE CONDITION

Temperature : $25 \pm 10^{\circ}\text{C}$

Relative humidity : $55 \pm 20\% \text{RH}$

2.3 REFERENCE DOCUMENT

The test referred to IEC 60529 Level IP6X dust test.

2.4 TEST CONDITION

EUT mode : Non-operating

Dust material : Talcum powder

Dust density : Approximately $2\text{kg} / \text{m}^3$

Air direction : Vertically to achieve slowest possible downward settlement

Duration of exposure : 8 hours

Depression level : low 20 mbar

2.5 SUMMARY OF TEST

After test, there was no dust permeated into the EUT.

3. IPX5 RAIN TEST

3.1 DESCRIPTION OF TEST EQUIPMENT

Test equipment : Vötsch VSPT 200-S (RA-07)

Inside dimension : 100(W)*100(D)*100(H)/cm

Calibration date : January. 09, 2013

Expiration date : January. 09, 2014



- Water flow meter
- Water pressure meter
- IEC 60529 IPX5 standard

3.2 OUTDOOR AMBIENCE CONDITION

Temperature : 25°C

Relative humidity : 50%RH

3.3 REFERENCE DOCUMENT

The test referred to IEC60529 IPX5 Jetting test rain test.

3.4 TEST CONDITION

EUT mode : Non-operating

Water flow : 12.5 L/minute±5%

Diameter of nozzle : 6.3 millimeter

Test length : 3 minutes/front face

Distance to EUT : 2.5~3.0 meter

Water pressure : 0.3 bar

3.5 SUMMARY OF TEST

After test, there was no water permeated into the EUT.



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Attachment 1: Photo for EUT



**Water
test
area**

Attachment 2: Photos for Environment Test

IP6X Dust Test



IPX5 Rain Test





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Attachment 3: Photos for EUT after Environment Test

