

# PER-TAIX2-A10-2280

## Temperature/Humidity Test Report

Report NO: 19D020015

Summary	<p><input checked="" type="checkbox"/> <b>Pass</b></p> <p><input type="checkbox"/> <b>Fail</b> Note : There is/are ____ defect(s) not list in the report, please check it in the DTS Website.</p> <p><input type="checkbox"/> <b>Pass with Deviation</b> Comment: _____</p>
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Issue date

2019-04-18

QE Supervisor

Louie Lee

Test Engineer

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## Test item list

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### Testing Result

Num	Test item list	Result	Remark
1	Temperature variation operation test	Pass	
2	Cold start and hot start test	Pass	
3	Humidity test	Pass	

# Configuration of EUT

**Test Product: PER-TAIX2-A10-2280 + PER-TAIX2-A10-PCIE + SMS-002**

## **Sample Configuration & Quantity Under Test:**

### **Product Name: PER-TAIX2-A10-2280 A0.2**

1. Chipset: Intel MA2485 \*2
2. Cooler: 175920001B CPU Cooler.Fan+Heat Sink.5V.2P.65.6\*22.8\*19.9mm.  
for M-2 2280

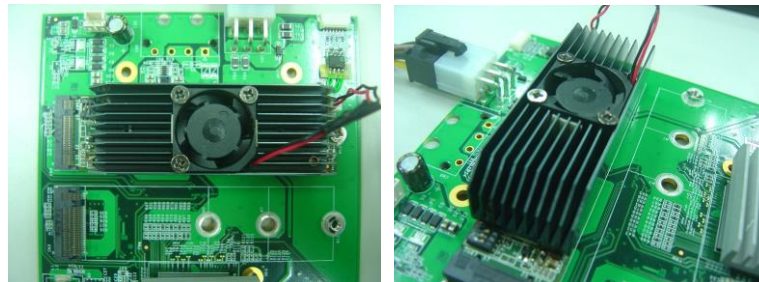
### **PER-TAIX2-A10-PCIE A0.1 PCI-E Riser Card**

1. Chipset: asmedia ASM1812

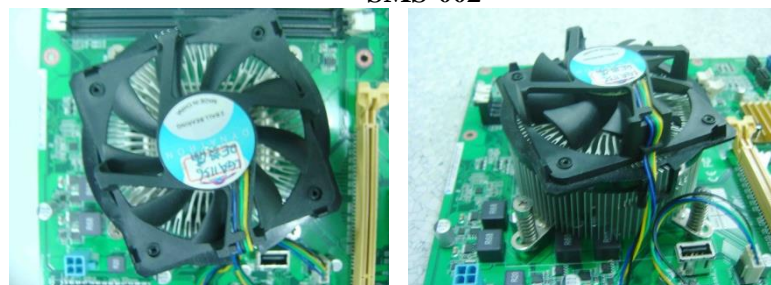
### **Main Board: SMS-002 R1.03**

1. CPU: Intel Pentium G3260 / 3.3GHz
2. BIOS Ver.: SMS-002 V1.6AddBraswellPatch.7
3. Chipset: Intel Q87
4. Memory: Panram 8GB \* 1 / DDR3 1333 / F143X8ADW405
5. mSATA HDD: Transcend 32GB / SSD370
6. Test Software: Ubuntu 16.04.5 Kernel version : v4.15  
/ Run Open Vino version : R5.1
7. ATX Power Supply: CWT DSA400P-C
8. Photo:

### **PER-TAIX2-A10-2280**



### **SMS-002**



# Temperature variation operation test

**Test Date:** 04-16 ~ 17-2019

**Test Site:** AAEON QE Dept.

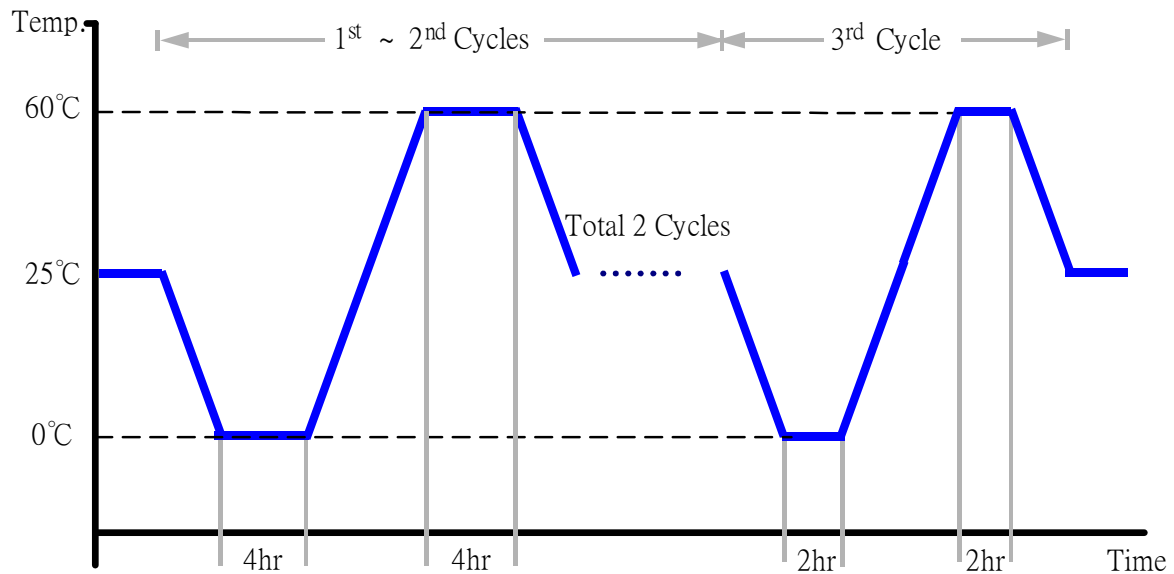
**Test Standard:** Refer to IEC 68-2-14 Testing procedures  
Test N: Change of temperature Test

**Test Equipment:**

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)  
Model: THS-B6T-150+LN2  
Date of Calibration: 04/20/18  
Due date of Calibration: 04/19/19  
Serial Number: 6488KT

**Temperature & Humidity Cycle Test:**

1. Test Low Temperature: 0°C (1~3 cycles)
2. Test High Temperature: 60°C (1~3 cycles)
3. Test dwell time: 4Hrs(1~2 cycles)  
2Hrs (3<sup>rd</sup> cycle)
4. Temperature slope: 2°C/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



**Test Result:**

No issues were found during the temperature variation operation test.

# Cold start and hot start test

**Test Date:** 04-15 ~ 16-2019

**Test Site:** AAEON QE Dept.

**Test Standard:** Refer to IEC 68-2-14 Testing procedures

Test N: Change of temperature Test

**Test Equipment:**

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)

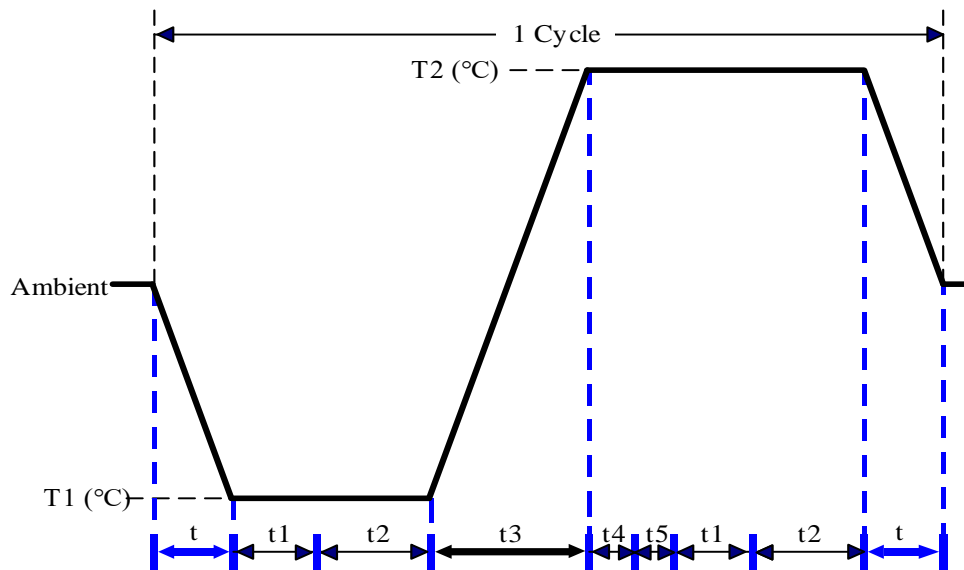
Model: THS-B6T-150+LN2

Date of Calibration: 04/20/18

Due date of Calibration: 04/19/19

Serial Number: 6488KT

**Test Condition:**



Parameters	Description
T1	0°C
T2	60°C
t1	1 hrs
t2	2 hrs
t4, t5	30 min
t, t3	2°C/min
n (Cycle)	1

t, t3 = temprature slope

t, t1: Power Off

t2: Power on/off test 10 times (on 2 min / off 5min)

t3, t4: Run Open Vino

t5: Ubuntu 16.04.5 Software restart test 2 times

Test Software: Linux

**Test Result:**

- No issues were found during the cold start test.
- No issues were found during the hot start test.

# Humidity test

**Test Date:** 04-11 ~ 12-2019

**Test Site:** AAEON QE Dept.

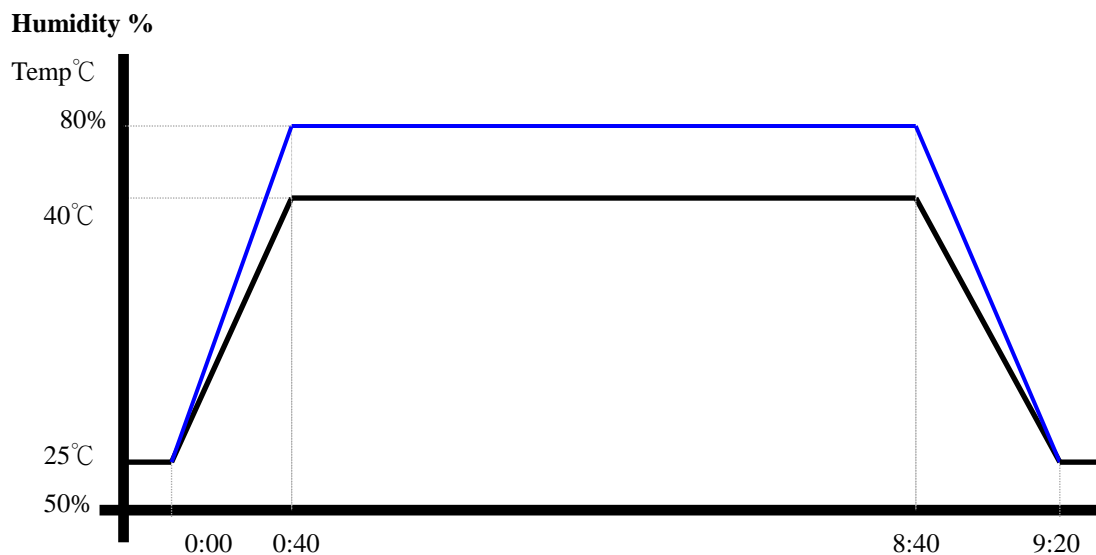
**Test Standard:** Refer to IEC 68-2-3 Testing procedures  
Test Ca: Damp heat, steady state (operation)

**Test Equipment:**

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)  
Model: THS-B6T-150+LN2  
Date of Calibration: 04/20/18  
Due date of Calibration: 04/19/19  
Serial Number: 6488KT

**Testing Item:**

1. Operation.
2. Test Temperature: 40°C
3. Test Humidity: 80%RH
4. Test Times: 8Hrs
5. Test Environment Curve:



**Test Result:**

No issues were found after the humidity operation test.