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Num	Item	Spec
1.	4U Rack Mounting Chassis:	ARC-604 Industrial Rack Mounting System
	1. Power	SPS.ATX 100-240V 300W AC With PFC.UMEC.UPF300-AF
	2. CPU Card	CPU Card SBC-860 A1.0
	3.HDD	Maxtor Fireball 3 ATA/133 HDD40GB
	4.CD-ROM	LITEON LTN-526D 52X
2.	CPU Card:	AAEON P4 Level Full-size SBC-860 A1.0
	1.CPU	Pentium 4 3.06GHz
	2.Memory	KINGMAX KDL388P4EA-60 256MB DDR333 * 1 PSC A2S56D30ATP 256MB DDR400 * 1

CPU Cooler



ARC-604 (SBC-860 Rev:A1.0)

Test Date: 10-14~16-2003

Test Product: ARC-604(SBC-860 A1.0) Industrial Computer

Test Site: AAEON DV Internal Lab.

Performed By : Rex Chang

Test Standard :

Reference IEC 68-2-61 Testing procedures
Test Z/ABD : Climatic Sequence Test

Test Equipment:

Programmable Temperature & Humidity Chamber

K.SON. INS. TECH. CORP.

Model : THS-D4H+-100

Date of Calibration : 06/03/03

Serial Number: 1241

Temperature Measurement :

20 Channel Thermal Recorder:

YOKOGAWA Inc,

Model : DA100-13-1D

Date of Calibration : 01/03/03

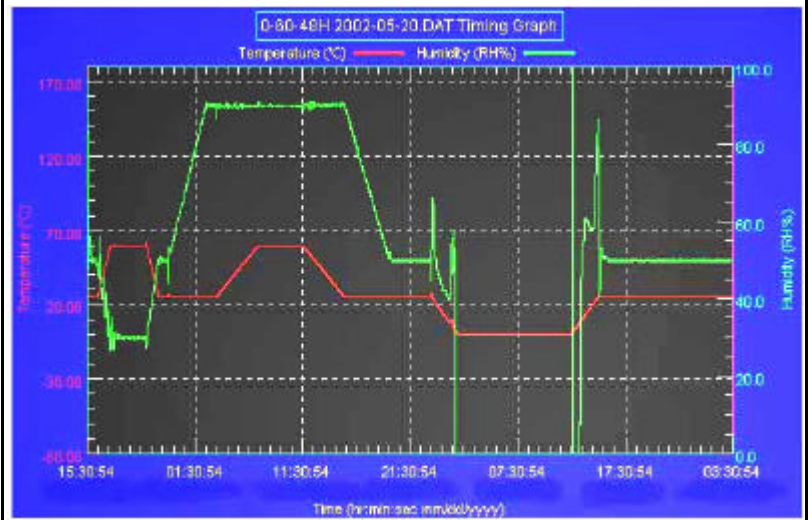
Serial Number: 12A323190

Temperature & Humidity Cycle Test:

Testing Specification

Step	Temperature ()	Humidity (%RH)	Duration (HH:MM)
1	25	50	00:30
2	25	50	00:30
3	60	30	01:10
4	60	30	03:20
5	25	50	01:10
6	25	50	00:50
7	25	90	03:30
8	25	90	01:00
9	60	90	03:53
10	60	90	04:07
11	25	90	03:53
12	25	50	04:07
13	25	50	03:30
14	25	50	00:30
15	0	0	02:30
16	0	0	10:30
17	25	50	02:30
18	25	50	00:30

Test Curve:

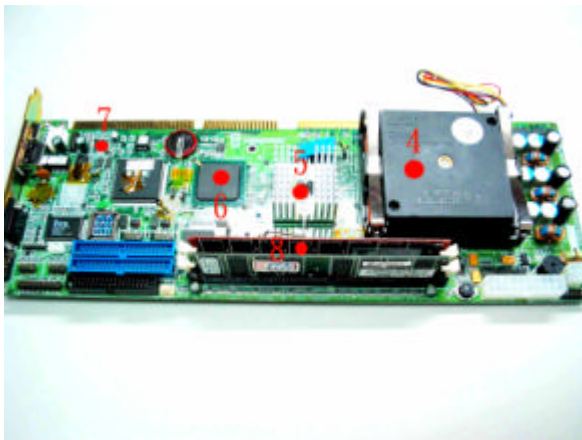


Sample Configuration & Quantity Under Test:

Using one ARC-604 (SBC-860) Industrial Computer.

Temperature Recorder:

Measuring Accelerometer Position:



Note : 1.Dummy load : 5V/1A(5W);12V/0.5A(6W) x 2 pcs

Thermal profile data :

ARC-604 (SBC-860) Panel PC

Point	Temp. Stage		
	60	25	0
1. HDD Surface	66.1	32.4	7.3
2. Inside Air Temperature - (1)	68.7	35.4	9.4
3. Inside Air Temperature - (2)	67.8	34.2	8.1
4. CPU	88.2	58.0	28.7
5. Intel RG82845GV-SL6NR Chipset	83.9	51.3	23.9
6. Intel FW82801DB Chipset	76.6	42.8	15.5
7. ALC201 AC97 Audio Codec	80.0	47.1	20.3
8. Memory	78.3	45.6	18.9
9. Control Box. External Surface	68.8	33.9	7.2
10. Chamber Air Temperature	61.5	26.6	1.4

Sample Configuration & Quantity Under Test:

Quantity: 1 (ARC-604 Industrial Computer)

Test Result:

Passed.

The ARC-604(SBC-860) Industrial Computer meets temperature cycle test

ARC-604 (SBC-860 Rev:A1.0)

Test Date: 10-13~15-2003**Test Product:** ARC-604 (SBC-860 A1.0) Industrial Computer**Test Site:** AAEON DV Internal Lab.**Performed By :** Rex Chang**Test Standard :** Reference IEC 68-2-2 Testing procedures
Test Bb : Dry Heat Test (Non-operation)**Test Equipment:**

Programmable Temperature & Humidity Chamber

K.SON. INS. TECH. CORP.

Model : THS-D4L+-100

Date of Calibration : 10/28/02

Serial Number: 2582

Testing Item:

1. Test Temperature: 60
2. Test Times: 48Hrs
3. Test Software: Windows media Player (Video test soft-MPEG form HDD)
4. Test Environment Curve:

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (ARC-604 Industrial Computer)

Test Result:**Passed.**

The ARC-604 (SBC-860) Industrial Computer meets High temperature storage test.

ARC-604 (SBC-860 Rev:A1.0)**Test Date:** 10-09~12-2003**Test Product:** ARC-604 (SBC-860 A1.0) Industrial Computer**Test Site:** AAEON DV Internal Lab.**Performed By :** Rex Chang**Test Standard :** Reference IEC 68-2-1 Testing procedures
Test Ab : Cold Test (Non-operation)**Test Equipment:**

Programmable Temperature & Humidity Chamber

K.SON. INS. TECH. CORP.

Model : THS-D4H+-100

Date of Calibration : 10/28/02

Serial Number: 2582

Testing Item:

1. Test Temperature : -20
2. Test Times : 48Hrs
3. Test Software : Windows media Player (Video test soft-MPEG form HDD)
4. Test Environment Curve :

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (ARC-604 Industrial Computer)

Test Result:**Passed.**

The ARC-604(SBC-860) Industrial Computer meets Low temperature storage test

ARC-604 (SBC-860 Rev:A1.0)

Test Date: 10-17~19-2003

Test Product: ARC-604 (SBC-860 A1.0) Industrial Computer

Test Site: AAEON DV Internal Lab.

Performed By : Rex Chang

Test Standard : Reference IEC 68-2-30 Testing procedures

Test Db : Humidity test (Non-operation)

Test Equipment:

Programmable Temperature & Humidity Chamber

K.SON. INS. TECH. CORP.

Model : THS-D4H+-100

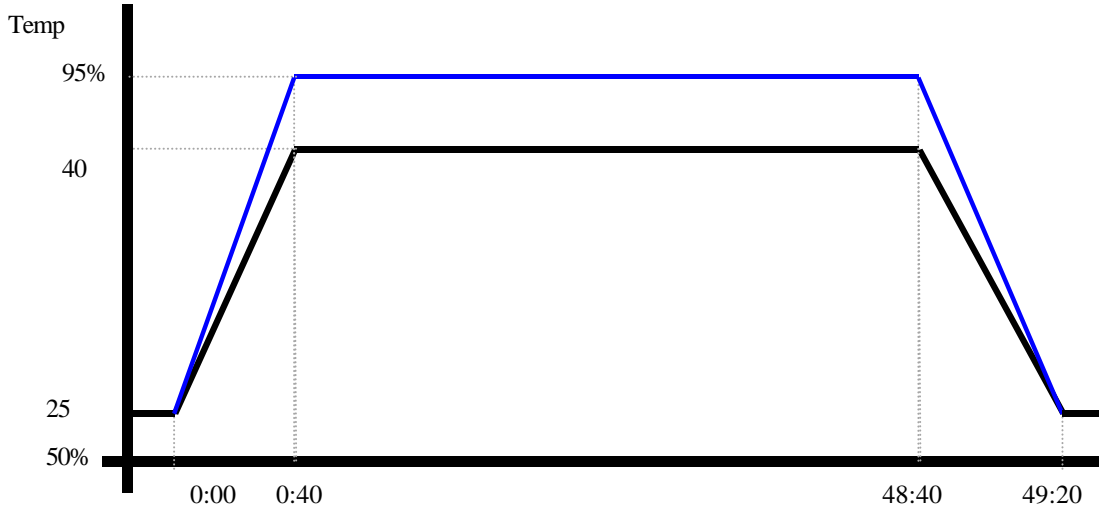
Date of Calibration : 06/03/02

Serial Number: 1241

Testing Item:

1. Test Temperature: 40
2. Test Humidity : 95%RH
3. Test Times: 48Hrs
4. Test Software : Windows media Player (Video test soft-MPEG form HDD)
5. Test Environment Curve:

Humidity %



Sample Configuration & Quantity Under Test:

Quantity: 1 (ARC-604 Industrial Computer)

Test Result:

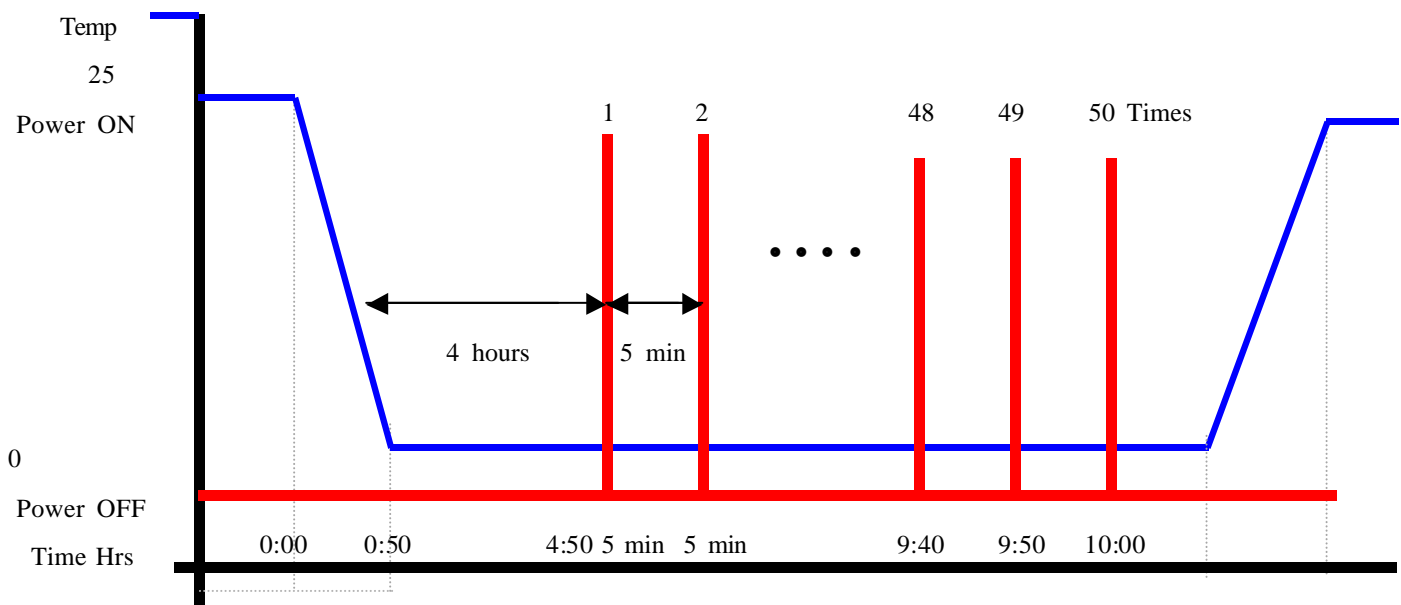
Passed.

The ARC-604 (SBC-860) Industrial Computer meets Humidity test

ARC-604 (SBC-860 Rev:A1.0)

Test Date: 09-17-2003**Test Product :** ARC-604 (SBC-860 A1.0) Industrial Computer**Test Site :** AAEON DV Internal Lab.**Performed By :** Rex Chang**Test Standard :** Reference IEC 68-2-1 Testing procedures
Test Ab : Cold Test**Test Equipment :**
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model : THS-D4H+-100
Date of Calibration : 06/03/03
Serial Number: 1241**Test Condition :**

1. Test Temperature : 0
2. Test Times : 5 Hours or 50 times of ON/OFF
 - (1) Power off for 4 hours before 1' st power on. Then once complete boot, power off immediately .
 - (2) After 5 min later power on again and wait until booting is completed.
 - (3) Repeat (2) for around 4:50
 - (4) Power off then wait for 5 min before final power on operation.
3. Number of test : 50 times
4. Test Software : Windows XP
5. Test Environment Curve :



ARC-604 (SBC-860 Rev:A1.0)

Sample Configuration & Quantity Under Test:

Quantity: 1 (ARC-604 Industrial Computer)

Test Result:

Passed.

The ARC-604(SBC-860) Industrial Computer meets Cold start test.