



Industrial Computing Platform Partner

PER-C40C

Temperature Variation Test Report

Report NO: 09E020041

Issued by: Rex Chang / 09/24/2009
Test Engineer Date

Reviewed by: Wenyuan Yang / 09/24/2009
Manager Date

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Test Product: PER-C40C + GENE-5315

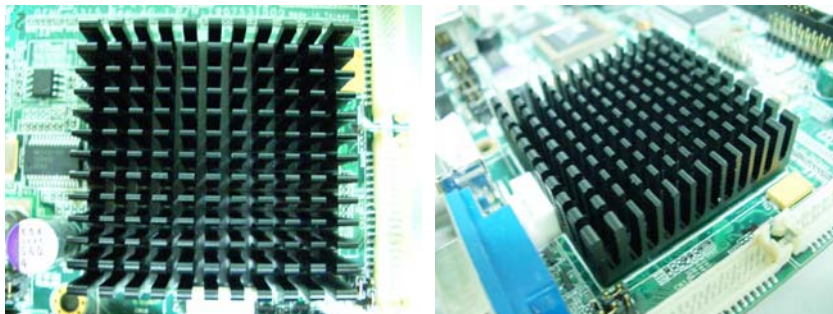
Sample Configuration & Quantity Under Test:

Test Sample: PER-C40C B0.1

1. CAM Chipset: OXFORD / OXuPCI945-LQAG MRHC5-000 A0919

Test System: GENE-5315 B1.0

1. CPU: Onboard AMD Geode LX 800 / 500MHz (Bios Ver. 1.1)
2. Chipset: AMD LX series + CS5536
3. VGA: AMD Geode LX 800 integrated graphic
4. Memory: Transcend 256MB / Hynix HY5DU121622CTP-D43 / DDR-400
5. HDD: Seagate ST380011A / 80GGB
6. Test Software: Windows XP / Run PassMark Burn In Test 5.3 Pro
7. AT Power Supply: Zippy SP2-4300F
8. Heat Sink:



Test Date: 09-21~22-2009

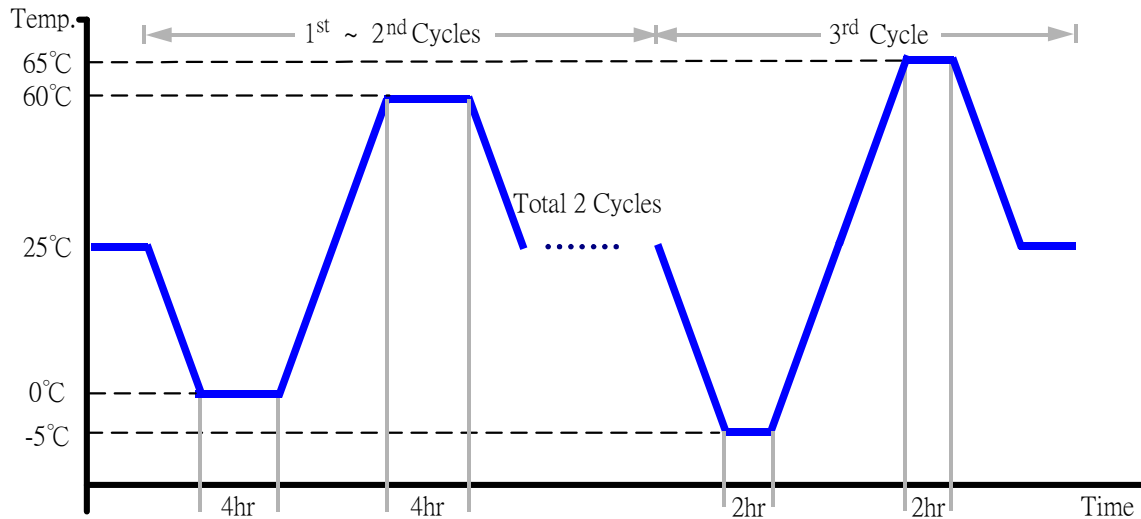
Test Site: AAEON QA Internal Lab.

Test Standard: Reference 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-A4C-100
Date of Calibration: 06/17/09
Serial Number: 3188

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0°C (1~2 cycles)
-5°C (3rd cycle)
2. Test High Temperature: 60°C (1~2 cycles)
65°C (3rd cycle)
3. Test dwell time: 4Hrs (1~2 cycles)
2Hrs (3rd cycle)
4. Temperature slope: 2°C/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



Test Result:

No problem was found during the temperature variation operation test.

Cold start and hot start test

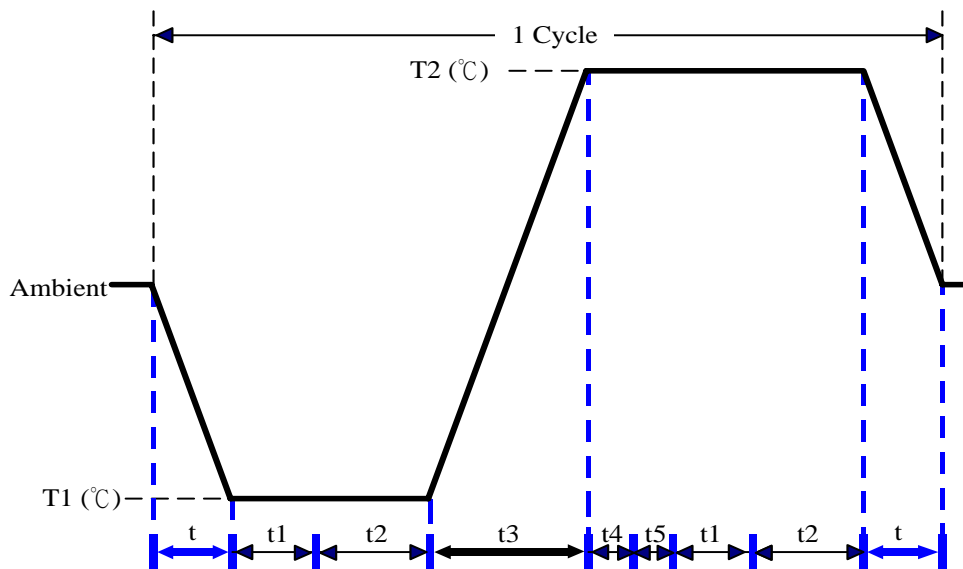
Test Date: 09-22~23-2009

Test Site: AAEON QA Internal Lab.

Test Standard: Reference 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-A4C-100
Date of Calibration: 06/17/09
Serial Number: 3188

Test Condition:



Parameters	Description
T1	-5°C
T2	65°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 PassMark Burn In Test
t5: Win XP Software restart test 2 times
Test Software:Windows XP

Test Result:

- a. No problem was found during the cold start test.
- b. No problem was found during the hot start test.