

NIM-S26C

Environment Test Report

Report NO: 17I020002

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

2017-01-09

QE Manager

KJ Wang

Test Engineer

Jerry Chen

Test item list

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Testing Result

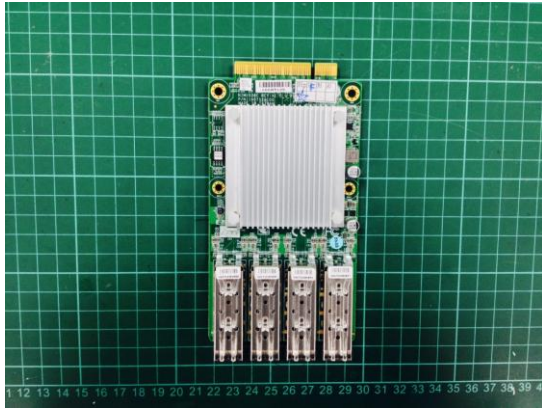
Num	Test item list	Result	Remark
1	Temperature cycle operation test	Pass	
2	Cold start and hot start test	Pass	

Configuration of EUT

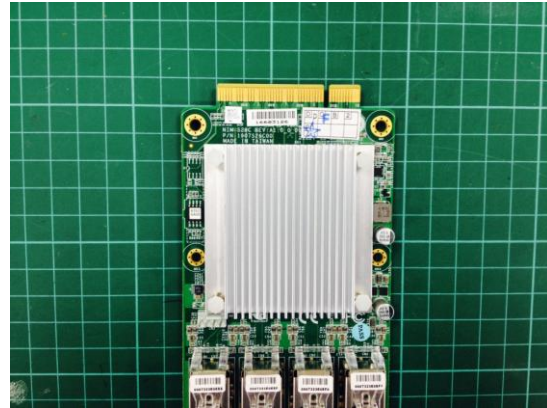
Num	Item	Spec
1.	Test Product: NIM-S26C Rev. A1.0	
	Model Name:	NIM-S26C / Rev. A1.0
	Board Name:	NIM-S26C / Rev. A1.0
	LAN Chipset:	Intel.FTXL710-BM1
2.	Main aid test of system	
	1. Model Name	FWS-7820
	2. Main board	FWB-7820 / Rev. A0.2
	3. BIOS Ver.	FWS-7820 R1.2 (K782AM12) (07/07/2016)
	4. CPU Type	Intel Xeon E3-1268L v5 @ 2.4GHz x 8
	5. LAN Module	NIM-S26C Rev. A1.0 / (LAN Chipset – Intel FTXL710-BM1)
	6. LAN Module	PER-T393 Rev. A0.2
	7. Module	PER-R37X Rev. A0.1
	8. Memory	Transcend / DDR4 2133 ECC 8GB / SEC K4A4G085WD * 2 pcs
	9. 2.5” SATA HDD	Transcend / 2.5" SATA Solid State Driver SSD370 / TS32GSSD370 32G
	10. Test Software	ubuntu 14.10 / Run iPerf test
	11. Power supply	FSP / FSP250-50LC
3.	Secondary aid test of system	
	1. Model Name	FWS-7520
	2. Main board	FWB-7520 / Rev. A0.3
	3. BIOS Ver.	FWS-7520 R1.1 (K752AM11) (06/17/2016)
	4. CPU Type	Intel Xeon D-1548 2GHz x 16
	5. VGA Module	PER-T361 / Rev. A1.0
	6. LAN Module	NIM-S26C Rev. A1.0 / (LAN Chipset – Intel FTXL710-BM1)
	7. LAN Module	PER-T362 / Rev. A0.3
	8. Memory	ADATA / DDR4 2133 R-DIMM 32GX36 *1PCS / (SEC / K4A8G045WB)
	9. 2.5” SATA HDD	HGST / TT7SAE500 500GB
	10. Test Software	ubuntu 14.10 / Run iPerf test
	11. Power Supply	ETASIS / EFAP-S250

Photos

LAN Module



Chipset Heat Sink



Temperature cycle test

Test Date: 01-04 ~ 06-2017

Test Product: NIM-S26C

Test Site: AAEON QE Dept.

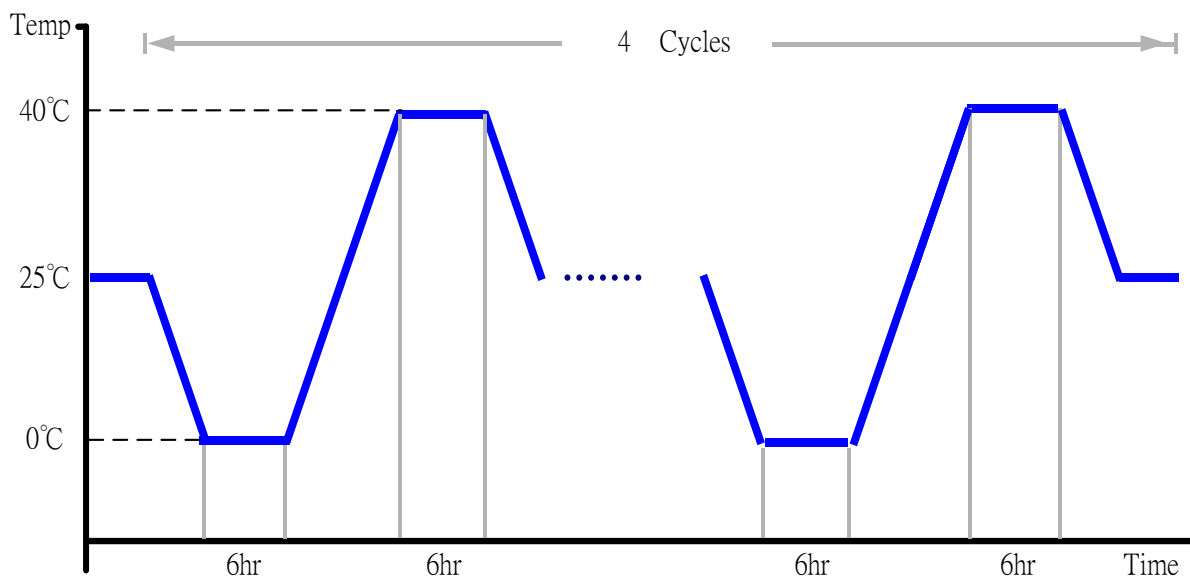
Test Standard: Refer to IEC68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)
Model: THS-D7TS-100+LN2
Date of Calibration: 09/10/2016
Due date of Calibration: 09/09/2017
Serial Number: A0004

Test Condition:

1. Test Low Temperature: 0°C
2. Test High Temperature: 40°C
3. Test dwell time: 6Hrs
4. Temperature slope: 2°C/min
5. Test cycle: 4 cycles
6. Test Environment Curve:



Sample Configuration & Quantity Under Test:

Quantity: 1 (NIM-S26C)

Test Result:

No issues were found during the temperature operation cycle test.

Cold start and hot start test

Test Date: 01-03 ~ 04-2017

Test Product: NIM-S26C

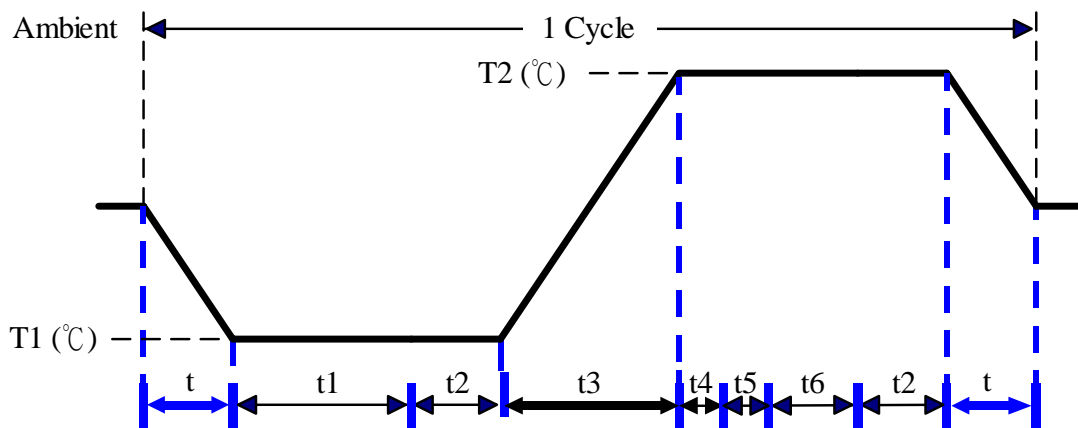
Test Site: AAEON QE Dept.

Test Standard: Refer to IEC 68-2-14 Testing procedures
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Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)
Model: THS-D7TS-100+LN2
Date of Calibration: 09/10/2016
Due date of Calibration: 09/09/2017
Serial Number: A0004

Test Condition:



Parameters	Description
T1	0°C
T2	40°C
t1	4 hrs
t2, t6	2 hrs
t4, t5	1hrs
t, t3	2°C/min
n (Cycle)	1

t = temperature slope
t, t1, t6: Power Off
t2: Power on/off test 10 times (on 5 min / off 5min)
t3, t4: Run iPerf test
t5: ubuntu 14.10 Software restart test 3 times
Test Software: ubuntu 14.10

Test Result:

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