

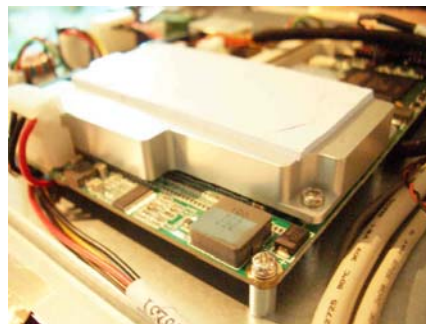
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Test Configuration:

Num	Item	Spec
1.	Panel PC:	FOX-120STT-A1
	1. 12"LCD	SHARP LQ121S7LY01
	2. Inverter	ATBEL AB-B502-14M
	3. Power Board	AAEON PER-P02D A1.1
	4. Power Adapter	SINPRO MPU100-108
2.	CPU Board:	GENE-8310 A1.1
	1. Bios Ver.	FOX-120 VA0.1
	2.CPU	Intel Celeron M Processor 1.5GHz
	3.Memory (Wide Temp.)	Apacer 1G / Twin Mos V58C2512804SBJ5I
	4. HDD	FUJITSU MHW2040AC / 40GB
	5.Test Software	Windows XP / Run PassMark Burn In Test 5.1 Pro

Heat Sink



Temperature cycle test

Test Date: 05-21~23-2008

Test Product: FOX-120STT-A1

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

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

Test Equipment:

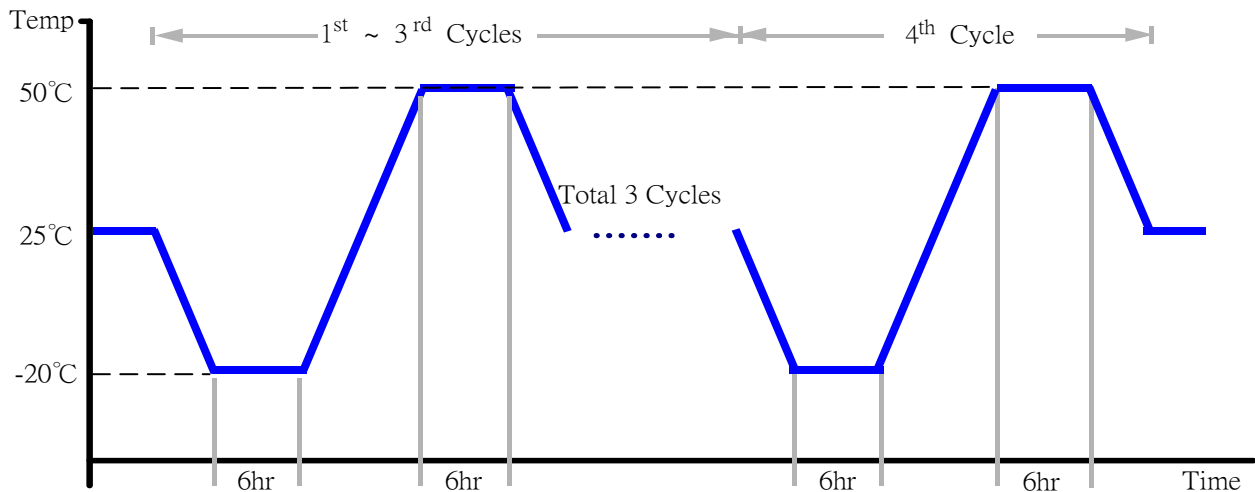
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D4L+-100
Date of Calibration: 11/06/07
Serial Number: 2582

Temperature Measurement:

40 Channel Thermal Recorder:
YOKOGAWA Inc,
Model: DA100-13-1D
Date of Calibration: 12/13/07
Serial Number: 12A323190

Test Condition:

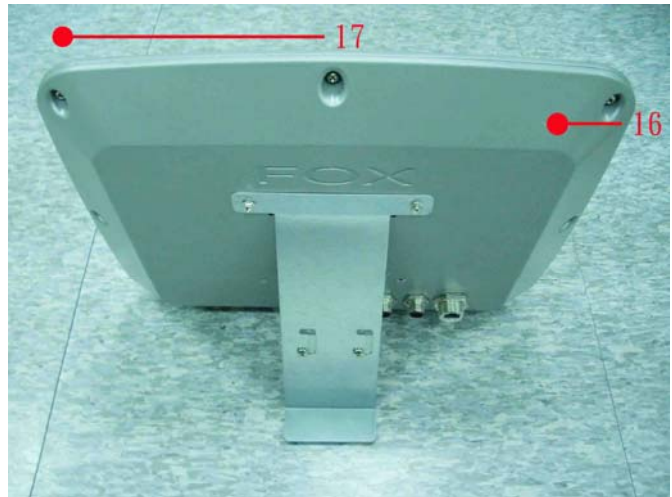
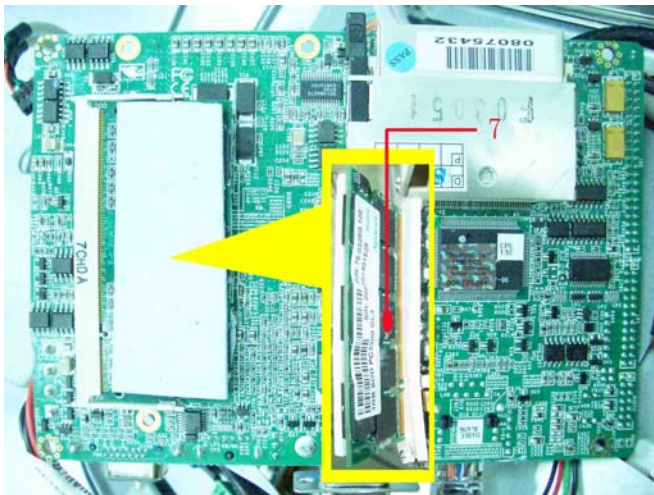
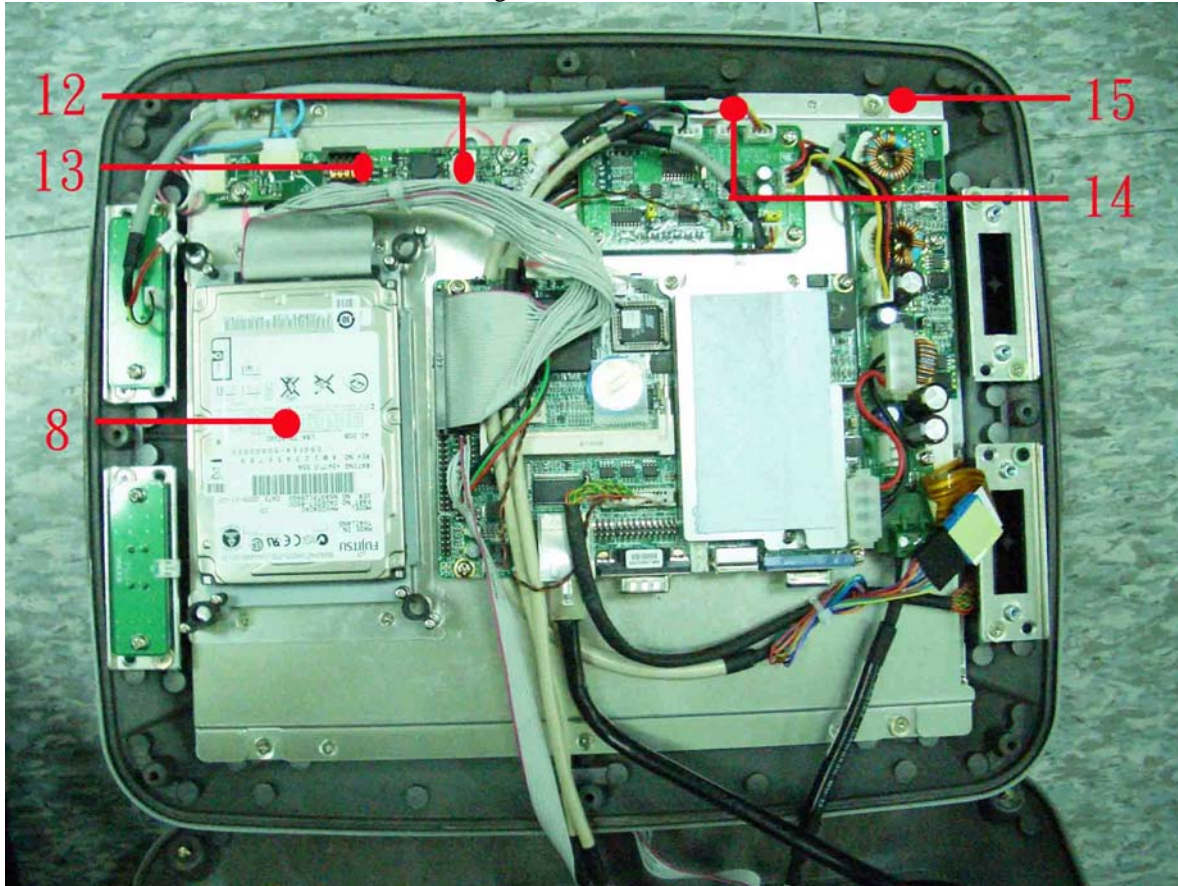
1. Test Low Temperature: -20°C
2. Test High Temperature: 50°C
3. Test dwell time: 6Hrs
4. Temperature slope: 2°C/min
5. Test cycle: 4 cycles
6. Test Software: Windows XP / Run PassMark Burn In Test Pro 5.1
7. Test Environment Curve:



Temperature cycle test

Terminal Recorder:

Measuring Accelerometer Position



Temperature cycle test

Thermal profile data:

FOX-120

Point	Temp. Stage(°C)	Spec	50	25	-20
GENE-8310					
01. U4 - (TF) INTEL CPU.Celeron M-1.5G		100	79.2	54.2	9.2
02. U8 - (TF) Chipset.NB82852GM.Intel.RG82852GM-SL6ZK		85	78.1	53.1	8.1
03. U3 - (TF) Chipset ICH4.INTEL.FW82801DB SL6DM.		115	81.3	56.3	11.3
04. U6 - (TF) ICS.ICS952601;EE-A040124;14S3260100;TWN		125	85.1	60.1	15.1
05. L2 - (TF) COIL.1.0uH.VISHAY.HLP5050EZER1R0M01		125	99.5	74.5	29.5
06. U35 - (TF) Super I/O.ITE.IT8712F-A/IX-L		95	79.4	54.4	9.4
07. Memory (Wide Temp.)		85	80.9	55.9	10.9
08. HDD (Wide Temp.)		80	67.5	42.5	-2.5
PER-P02D Power Board					
09. U2 - (TF)IC.32Pin Regulator.Vin 3.5-36V.LINEAR.LTC3728EUH#PBF		85	84.8	59.8	14.8
10. Q7 - (TF)PWR.N-Channel 30V MOSFET.VISHAY.SI4410BDY-T1-E3v		125	93.2	68.2	23.2
11. U1 - (TF)PWR.SSOP16 MOSFET.LINEAR-TECHNOLOGY.LTC1778EGN		110	89.8	64.8	19.8
Inverter					
12. IC - TL494ID		85	84.3	59.3	14.3
13. T1		155	81.6	56.6	11.6
14. Control Box Internal Air Temperature - 1		N/A	66.7	41.7	-3.3
15. Control Box Internal Air Temperature - 2		N/A	71.0	46.0	1.0
16. Control Box External Surface		N/A	57.6	32.6	-12.4
17. Chamber Air Temperature		N/A	50.1	25.1	-19.9
Any Tm value showed in red words which meaning the value over the Tc degree C of this device specification.					

Sample Configuration & Quantity Under Test:

Quantity: 1 (FOX-120STT-A1)

Test Result:

No problem was found during the temperature operation cycle test.

Test Date: 05-20~21-2008

Test Product: FOX-120STT-A1

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

Test Standard: Reference IEC 68-2-2 Testing procedures
Test Bd: Dry Heat Test (Operation)

Test Equipment:

Programmable Temperature & Humidity Chamber

K.SON. INS. TECH. CORP.

Model: THS-D4L+-100

Date of Calibration: 11/06/07

Serial Number: 2582

Testing Item:

1. Test Temperature: 50°C / 55°C
2. Test Times: 50°C/24Hrs; 55°C/1Hrs
3. Test Software: Windows XP / Run PassMark Burn In Test 5.1 Pro
4. Test Environment Curve:

Sample Configuration & Quantity Under Test:

Quantity: 1 (FOX-120STT-A1)

Test Result:

No problem was found during the high temperature operation test.

Test Date: 05-12~14-2008

Test Product: FOX-120STT-A1

Test Site: AAEON QA 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: 11/06/07
Serial Number: 2582

Testing Item:

1. Test Temperature: 70°C
2. Test Times: 48Hrs
3. Test Software: Windows XP / Run PassMark Burn In Test 5.1 Pro
4. Test Environment Curve:



Sample Configuration & Quantity Under Test:

Quantity: 1 (FOX-120STT-A1)

Test Result:

No problem was found after the high temperature storage test.

Test Date: 05-14~16-2008

Test Product: FOX-120STT-A1

Test Site: AAEON QA 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-D4L+-100
Date of Calibration: 11/06/07
Serial Number: 2582

Testing Item:

1. Test Temperature: -30°C
2. Test Times: 48Hrs
3. Test Software: Windows XP / Run PassMark Burn In Test 5.1 Pro
4. Test Environment Curve:



Sample Configuration & Quantity Under Test:

Quantity: 1 (FOX-120STT-A1)

Test Result:

No problem was found after the low temperature storage test.

Test Date: 05-16~19-2008

Test Product: FOX-120STT-A1

Test Site: AAEON QA Internal Lab.

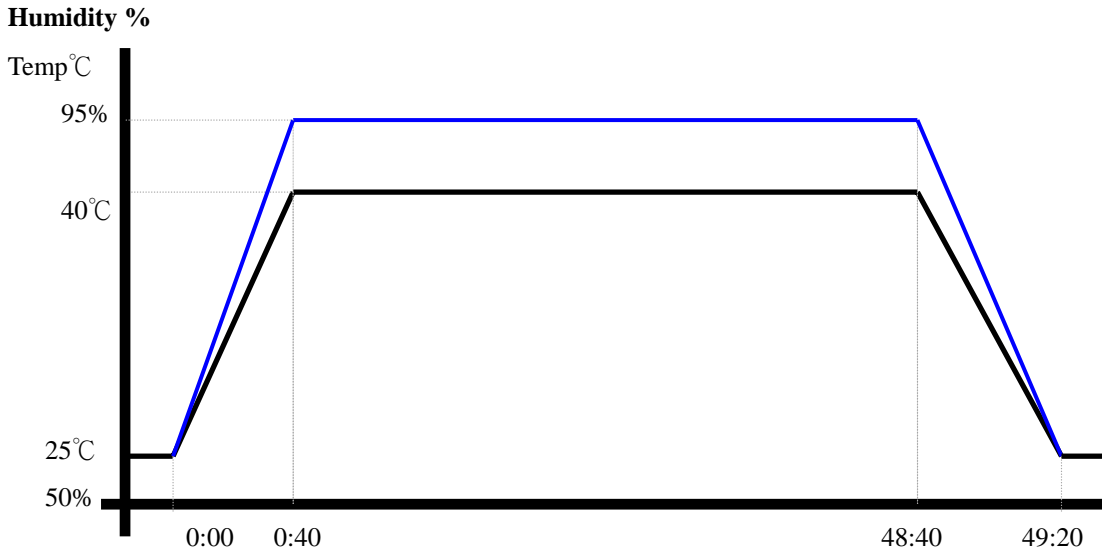
Performed By: Rex Chang

Test Standard: Reference IEC 68-2-3 Testing procedures
Test Ca: Damp heat, steady state (Non-operation)

Test Equipment:
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D4L+-100
Date of Calibration: 11/06/07
Serial Number: 2582

Testing Item:

1. Test Temperature: 40°C
2. Test Humidity: 95%RH
3. Test Times: 48Hrs
4. Test Software: Windows XP / Run PassMark Burn In Test 5.1 Pro
5. Test Environment Curve:



Sample Configuration & Quantity Under Test:
Quantity: 1 (FOX-120STT-A1)

Test Result:
No problem was found after the humidity storage test.

Cold start and hot start test

Test Date: 05-19~20-2008

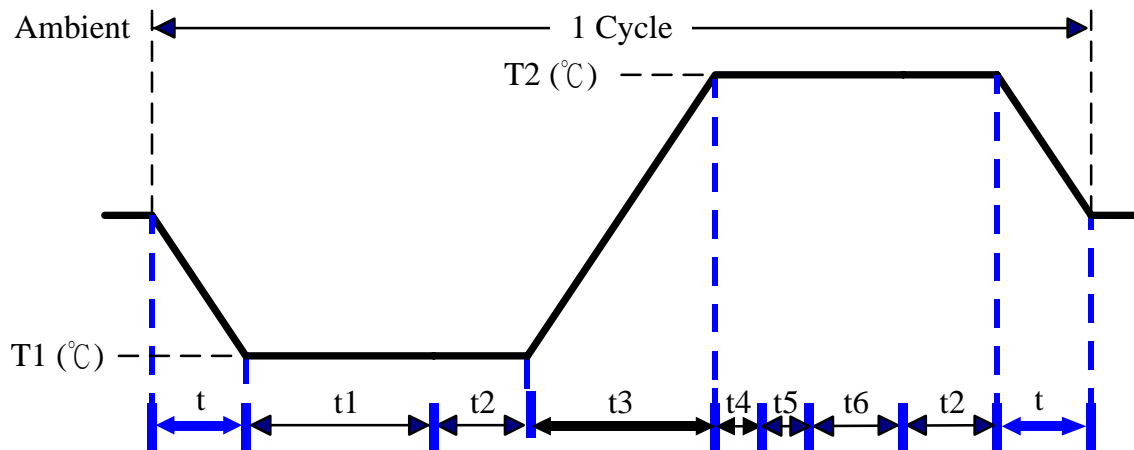
Test Product: FOX-120STT-A1

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-D4L+-100
Date of Calibration: 11/06/07
Serial Number: 2582

Test Condition:



Parameters	Description
T1	-20°C
T2	50°C
t1	4 hrs
t2, t6	2 hrs
t4, t5	1hrs
t, t3	2°C/min
n (Cycle)	1

t = temprature slope
t , t1, t6: 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 3 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.