

Report No: 15P0A0006_I

AAEON Power Board with BOXER-6357VS Power Electronics Test Report

Summary	<input checked="" type="checkbox"/> Pass			
	<input type="checkbox"/> Fail			
<input type="checkbox"/> Pass with Deviation				
Comment:				
Test Result Summary				
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date

06/25/2015

Approval

KJ Wang

Test Engineer

Mike Lee

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1. Project

AAEON Power Board for BOXER-6357VS Rev A1.0

CPU : Intel ® Core™ i7-3517UE Processor (4M Cache, up to 2.80GHz)

2. Power Manufacturer

AAEON Power Board

3. Team Member

PM : Ken Pan ; RD : Ying Chiang

4. Test Equipment

4.1. PCB Board : PBA-QM77 Rev C.02

4.2. BIOS Rev : BOXER-6357 R1.2 (B357AM12)(06/08/2015)

4.3. HDD : SEAGATE ST9160412AS 160GB

4.4. Memory : Transcend DDR3 1333 4GB - SAMSUNG SEC 249 XYKO K4B2G0846D

4.5. LCD Monitor : CHIMEI , Model : CMV736A

4.6. USB Mouse : Microsoft , Model : N/A

4.7. Power Board : AAEON , PER-T292 Rev.A0.2 (24-75VDC)

4.8. Power Board : AAEON , PER-T292 Rev.A0.2 (43-160VDC)

4.9. DC Source : 62012P-600-8

5. Power Board Spec

Power Board : AAEON , PER-T292 Rev.A0.2 (24-75VDC)

Power Board : AAEON , PER-T292 Rev.A0.2 (43-160VDC)

6. Test Item

Test Item	Test Condition / Specification		Sanction	
			Measured	Result
6.1. Power Consumption Test with DC Power	No Run Prime95	I/P:24VDC 0.78A 18.72W		PASS
	Run Prime95	I/P:24VDC 1.27A 30.48W		PASS
	No Run Prime95	I/P:75VDC 0.28A 21W		PASS
	Run Prime95	I/P:75VDC 0.44A 33W		PASS

Test Item

Test Item	Test Condition / Specification		Sanction	
			Measured	Result
6.2. Power Consumption Test with DC Power	No Run Prime95	I/P:43VDC 0.43A 18.49W		PASS
	Run Prime95	I/P:43VDC 0.69A 29.67W		PASS
	No Run Prime95	I/P:160VDC 0.14A 22.4W		PASS
	Run Prime95	I/P:160VDC 0.21A 33.6W		PASS