

Temperature Test Report

Model: POE-DX60T

H/W Version: 1.0

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Revision History

Date	Description	Revision	Remark
2023/8/29	initial	V1.0	Tina





Test Item Table MODEL: POE-DX60T

NO.	ITEM.	Result	Tester
1.	Basic Function Test		
1.1	Power on Test	Pass	Tina
1.2	LED Display Function Test	Pass	Tina
2.	Environmental Test		
2.1	Operation Dry Heat Test 75°C	Pass	Tina
2.2	Operation Cold Test -40°C	Pass	Tina
2.3	Operation Temperature Cycle Test	Pass	Tina







1. Basic Function Test.

1.1 Power on Test

Test Equipment:

- 1. DUT: 1 PCS
- 2. PoE Splitter (POE-PD05S): 1PCS



Test conditions:

Temperature: 25°C.

Test times: 5cycles





Procedure:

- Ensure the product can operate normally in room temperature 1.
- Repeat switch 5 times 2.

Test Criteria:

DUT normal switch

<text></text>	POWER





Result:

Test Times	Check Reboot
1st Times	Pass
2nd Times	Pass
3rd Times	Pass
4th Times	Pass
5th Times	Pass





1.2 LED Display Function Test

Make sure all LED display can meet Product Spec

Test Equipments:

ltem	Equipment Name	Qty.	Equipment Model
1	Power Source:	1	DC Power Supply
2	PoE Splitter	1	POE-PD05S

Test Procedure:

- 1 Turn on the DUT
- Check the power LED and system LED display status 2
- Use packet generator sequentially connect each ports, and set different media type to 3

check LED display status

4 Record the results

Pass Criteria:

POE LED can working normally and meet Product Spec

LED	• PoE Out
LED	Power Light: ON → Green





	PoE Light: ON→ Green	
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Result:

LED Display Test

Item		Color	Result
PoE Out	Power Light	Green	PASS
	PoE Light	Green	PASS







2. Environmental Test

2.1 Operation Heat Test

To ensure DUT can work under harsh ambient 75°C+/- 3°C temperature.



Test equipment:

Equipment	Qty
DUT	1
PoE Splitter (POE-PD05S)	1
DC Power Supply	1
Loader KP184	1

Test criteria:

Burning machine is working properly at 75°C.





Test setup:









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Test procedure:

- 1. Follow up test configuration to setup the test platform.
- 2. PoE port Loader set 63W
- 3. Setup the ambient at 75 degree C burn-in 2hr Test

Test result:





2.1 Operation Cold StartTest

After the DUT is power turned off first, it is cool down from room temperature to -40

degrees C for 2 hours, and then the cold start test



Test result:





Operation Cold Test Report

To ensure DUT can work under harsh ambient -40°C temperature.



Test equipment:

Equipment	Qty
DUT	1
PoE Splitter (POE-PD05S)	1
DC Power Supply	1
Loader KP184	1

Test criteria:

1. Burning machine is working properly at -40°C.





Test setup:





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- 1. Follow up test configuration to setup the test platform.
- 2. PoE port Loader set 63W
- 3. Setup the ambient at 75 degree C burn-in 2hr Test

Test result:





2.3 Operation Temperature Cycle Test

Test equipment:

- 1. -40°C, 15 minute
- 2.75°C 15 minute
- 3. Duration: 5cycle



Test equipment:

Equipment	Qty
DUT	1
PoE Splitter (POE-PD05S)	1
DC Power Supply	1
Loader KP184	1

Burning machine is working properly at 75°C~-40°C Cycle 5 time.





Test setup:





Test procedure:

- 1. Follow up test configuration to setup the test platform.
- 2. PoE port Loader set 63W
- 3. Setup the ambient at 75 and -40 degree C and temperature Cycles 5 times.

Test results:

