

ASUSTeK COMPUTER INC.	RTX2070-8GD6 Standard Operation Procedure	Doc. No:	
		Date: Apr.23.2019 Revision: 1.00	
		Page: 9	Grade:

0Rev.	Modified Chapters	Modification Description	Issued Dept.	Issued by	Revised Date
1.00		First release	GRTD	Maico_Zhang	Apr.23.2019

1.Objectives

Create test procedure.

2.Scope

Model: RTX2070-8GD6

PN: PD02T0

3.Test Item

3.1 Diagnostic test in Tiny Linux

Authorize by		Review by		Originator By	Maico
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4. Relevant Document

None.

5. Definition : 1. If the model name contains P, please test HDCP function.

Ex: EAH***/HTDP/512M/A

2. If you test HDMI already, it's unnecessary to test HDCP. The HDMI contains HDCP function.

6. Operation Procedures:

6.1 Attention

- 6.1.1 To avoid damaging devices or M/B, please turn off A/C power then unplug VGA card.
- 6.1.2 While unplugging the card, do it in upright direction to avoid damaging slot & golden finger.
- 6.1.3 If any problem happens, please inform test supervisor. Base on ATX power specification, +5V standby voltage is existed while AC power is connecting. For safety reason, please turn off main power during break time or idling test.
- 6.1.4 Some test items should be tested under Windows environment. (Please install windows test environment by yourself).

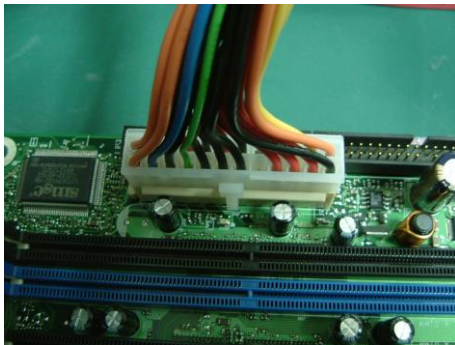
6.2 Fixture connect

- 6.2.1 Install Intel CPU & CPU Fan.
- 6.2.2 Install DDR3 Memory to DIMM1~4..
- 6.2.3 Plug USB Mouse and PS/2 Keyboard into MB.
- 6.2.4 Plug VGA Card RTX2070 into PCIEX16.
- 6.2.5 Connect power con of VGA card & Power supply via bundled power cable.
- 6.2.6 Connect SATA HDD with SATA CON.



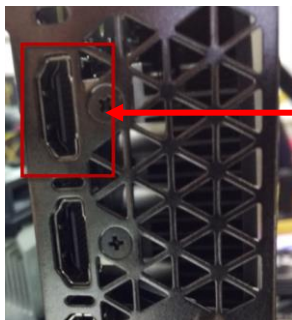
6.2.7 Plug 4PIN 12V (1200W) power cable into CON12V.

6.2.8 Plug ATX Power (1200W) on Power Connector.



6.3 Diagnostic test in Tiny Linux.

6.3.1 Please connect LCD monitor & card's first HDMI via a HDMI cable.



HDMI Cable



6.3.2 Press Power Switch then turn on power button.

6.3.3 Press "Del" to enter CMOS setup menu while boot screen is displaying.

EXIT -> Load Setup Defaults.



6.3.4 System will reboot, select Linux to run test program.

Path: RTX2070-8GD6\pd02t0.sh

6.3.5 BIOS flash

If you want to check Vbios info, Please run **biosinfo**

Please use the following command to flash bios and notice the size of character.

Path: Path: RTX2070-8GD6\

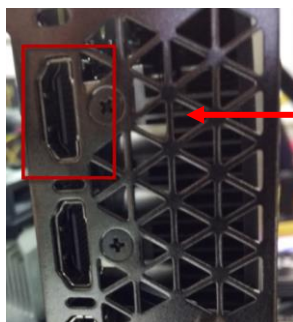
Command: **nvflash xxx.rom -6 -A** or **iromflsh xxx.rom**

Notice:

If you can not flash bios because of the bios locked, please use **nvflash.exe /r** or **nvflash.exe -r** to unlock bios. And then, please use **nvflash.exe /w** or **nvflash.exe -w** to lock bios after updating latest bios.

6.3.6 Please connect LCD monitor & card's the other HDMI CON via a HDMI cable.

(Please refer to step 6.3.2&6.3.4)



HDMI Cable



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6.3.7 If test OK, please NTF test.

7 Appendix

NO#	Equipment Description	ASUS Part#	Supplier	Quantity	Remarks
1	SAMSUNG 2232MW			1	
2	USB MOUSE			1	
3	PS/2 KEYBOARD			1	
4	ATX POWER SUPPLY(a minimum power of 800W)			1	
5	Intel CPU Intel(R) I5 4570 CPU		local	1	
6	Heat sink + FAN	22-240000160		1	
7	DDR3 1333 2G	20-TT2605618	local	4	
8	TEST HDD			1	
9	SATA HDD Cable	14-000107070	ASUS	1	
10	PCIEX16 VGA CARD			1	
11	HDMI extend cable (Buying a local HDMI cable by yourself)			1	
13	ASUS Z97-PRO MB			1	
14	LCD "Y" Cable	14-010230000		1	