



# MINERVA

## GE0365L MCIO 74P x2 to PCIe x16 Slot with Hot Plug

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### Performance & Burn In Test Rev 1.0

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# MCIO 74P x2 to PCIe x16 slot with Hot Plug

## 1. Overview

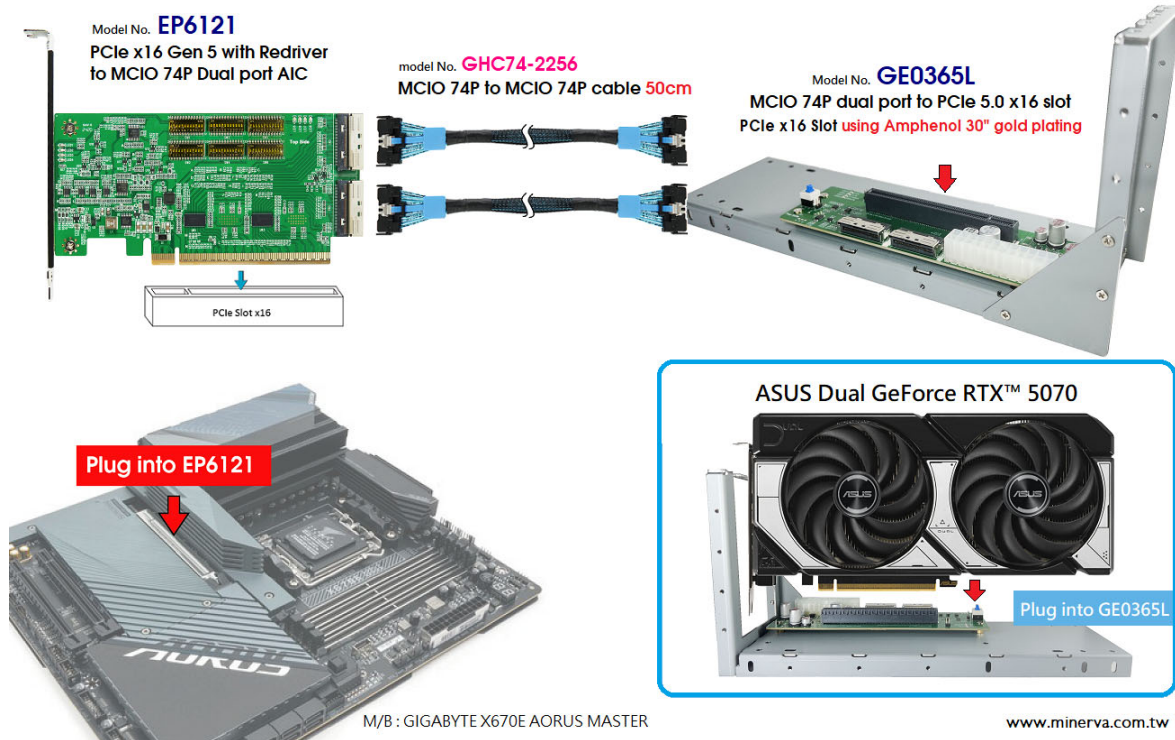
The GE0365L adapter is with PCIe 5.0 x16 Slot with 30u" Au plating, and Built in MCIO 74P Dual port connector. It may insert into PCIe 5.0 x16 Add-in card for GPU AI computing. We use Ultra low loss PCB to avoid PCIe signals attenuation and perfect mechanical design to reduce PCIe 5.0 x16 Slot gold finger stub.

## 2. Tools and Results of Performance Measurement

### 2.1 Test Platform:

M/B : GIGABYTE **X670E AORUS MASTER**  
CPU : AMD **Ryzen 5, 7600X 6-Core**  
Memory : Kingston **KF556C36BBEK2, DDR5-5600MT/s, 64GB**(32GB DIMM\*2)  
ATX Power : Apexgaming AN-550, **550W ATX**, 12V V2.2 Power Supply  
AIC: EP6121 PCIe x16 Gen 5 with Redriver to MCIO 74P dual port ADD-in Card  
Adapter: MCIO 74P dual port to PCIe 5.0 x16 Slot Adapter  
Cable: PCIe 5.0 MCIO 74P Male to Male, **50cm** Cable  
OS : Microsoft **Windows 10 64bit OS**

2.2 Test target: EP6121, GE0365L adapter & ASUS **Dual GeForce RTX 5070**



# MCIO 74P x2 to PCIe x16 slot with Hot Plug

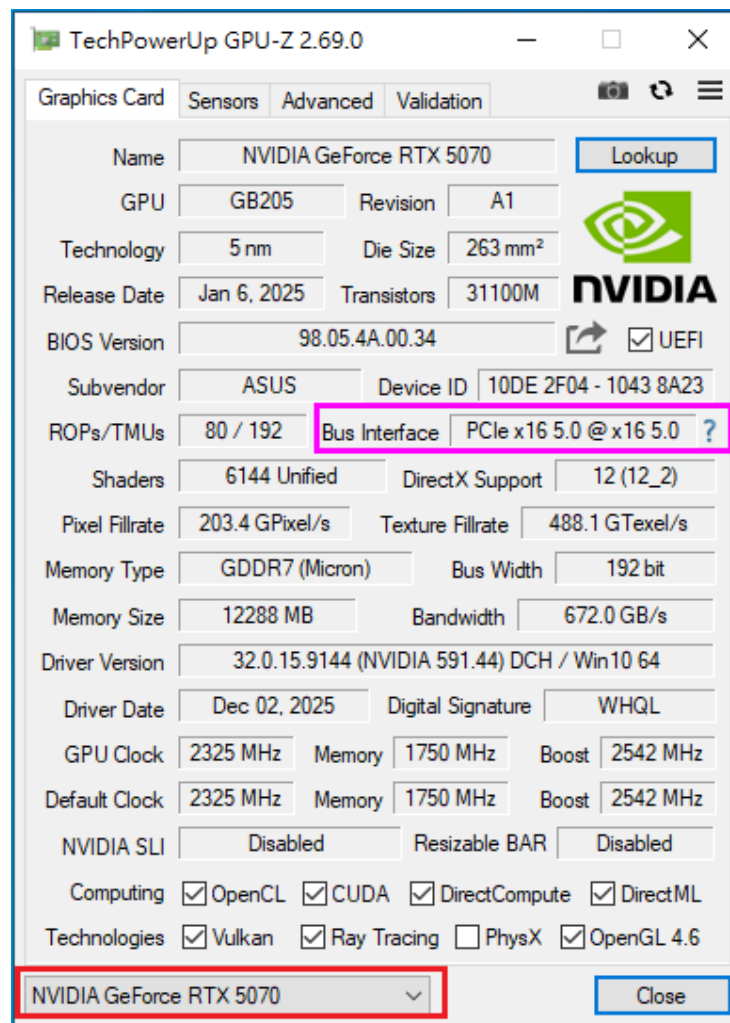
## 2.3 Install Hardware

First inserts the ASUS **Dual GeForce RTX 5070** into the GE0365L PCIe X16 slot and connects the GE0365L adapter to the EP6121 AIC card (PCIe x16 Gen 5 with ReDriver to MCIO 74P x2), using the **GHC74-2256, 50cm(MCIO 74P male to male)** Cable, and **then** Plugs EP6121 AIC into PCIe x16 Slot of GIGABYTE **X670E AORUS MASTER** mainboard.

## 2.4 BIOS & Windows 10 OS environment setup

2.4.1 Primary SATA NVMe SSD install Windows 10 OS.

## 2.5 **Dual GeForce RTX 5070** Information:

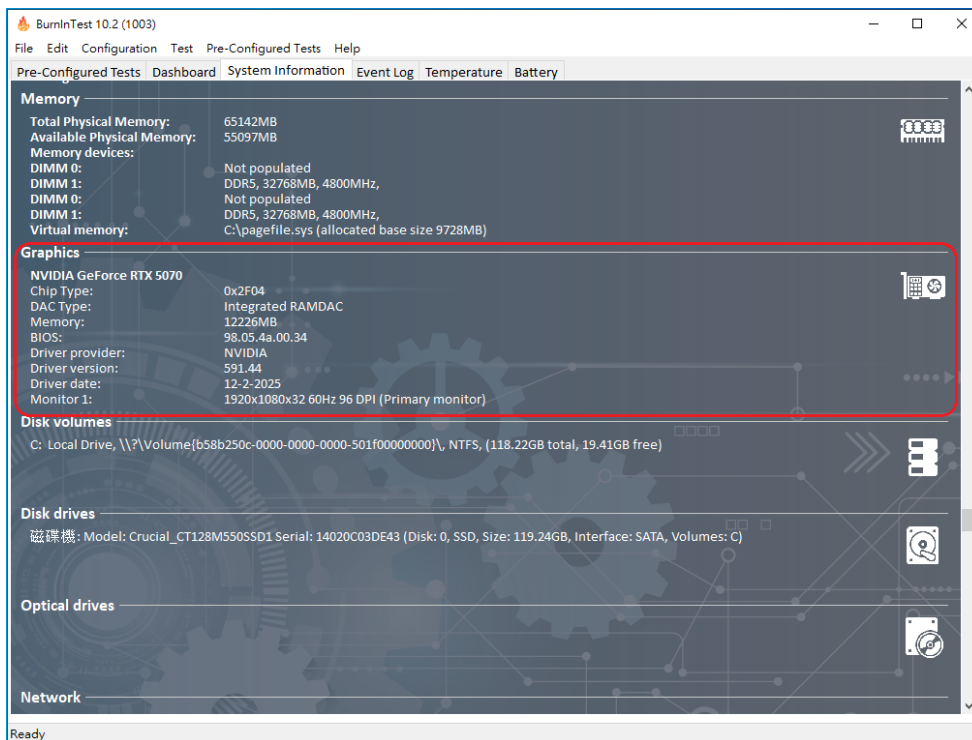
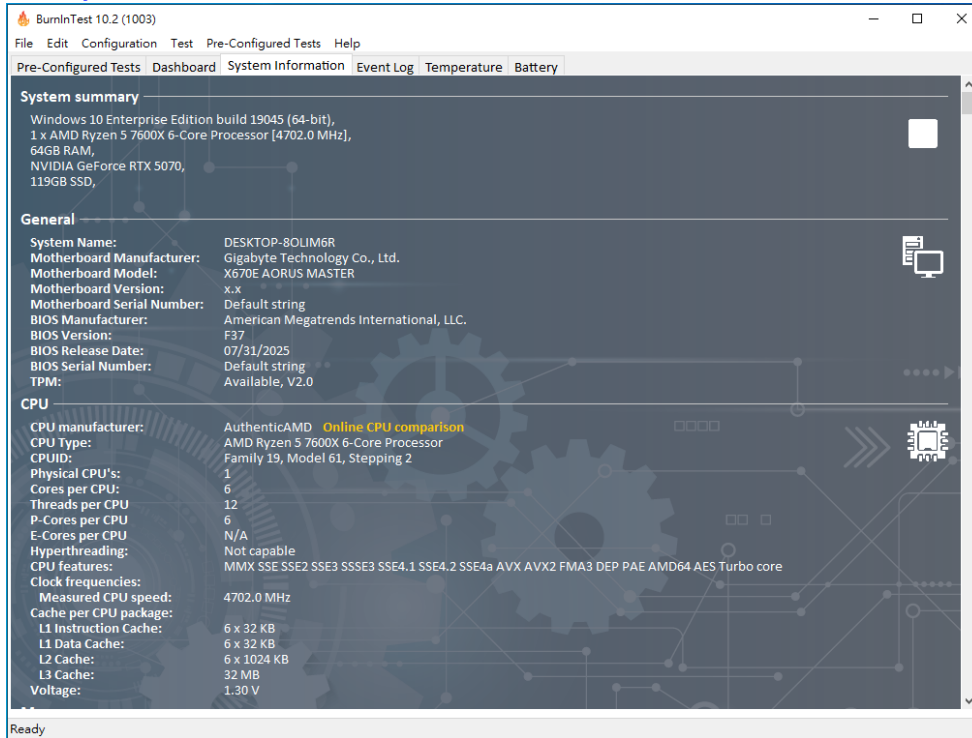


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## 3. Burn In Tests and Results

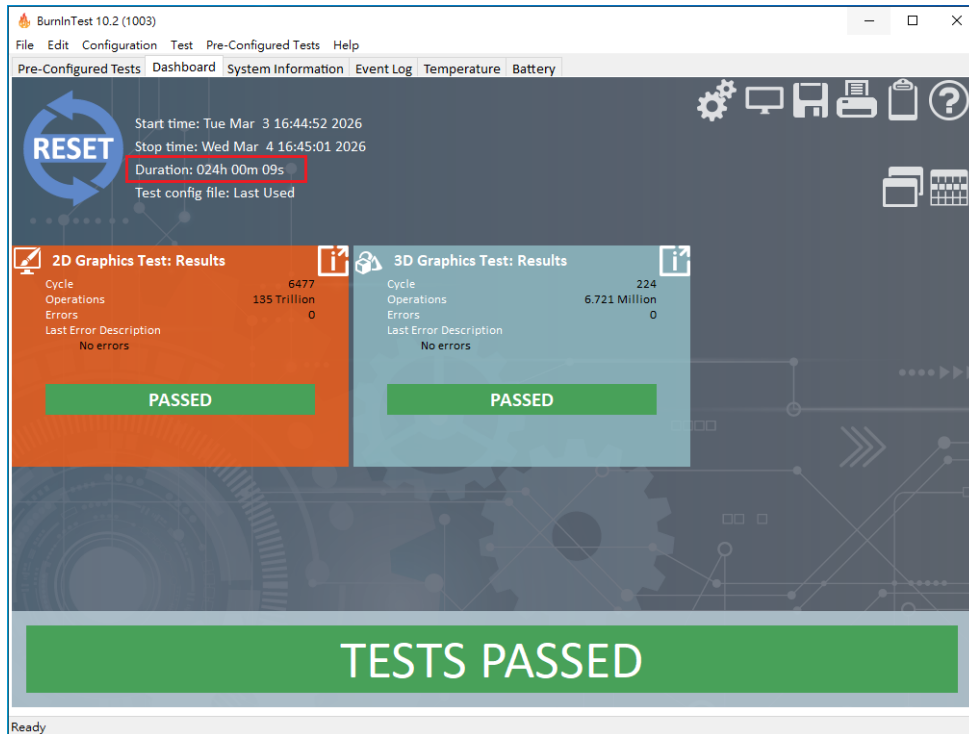
### 3.1 BurnInTest v10.2 Pro

#### 3.1.1 system information as below:



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## 3.1.2 2D Graphics & 3D Graphics 24-hour Burn-in test PASSED



## 4. Summary

- 4.1 ASUS Dual GeForce RTX 5070 is PCIe 5.0 x16 data link width.
- 4.2 EP6121 AIC & GE0365L Adapter I/O performance is based on Graphic card.