MINERVA

PCIe 4.0 SlimSAS 16i(SFF-8654),100cm cable

Performance & Burn In Test Rev 1.0

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SFF-8554 PCIe 4.0 High Speed cable

1. Overview

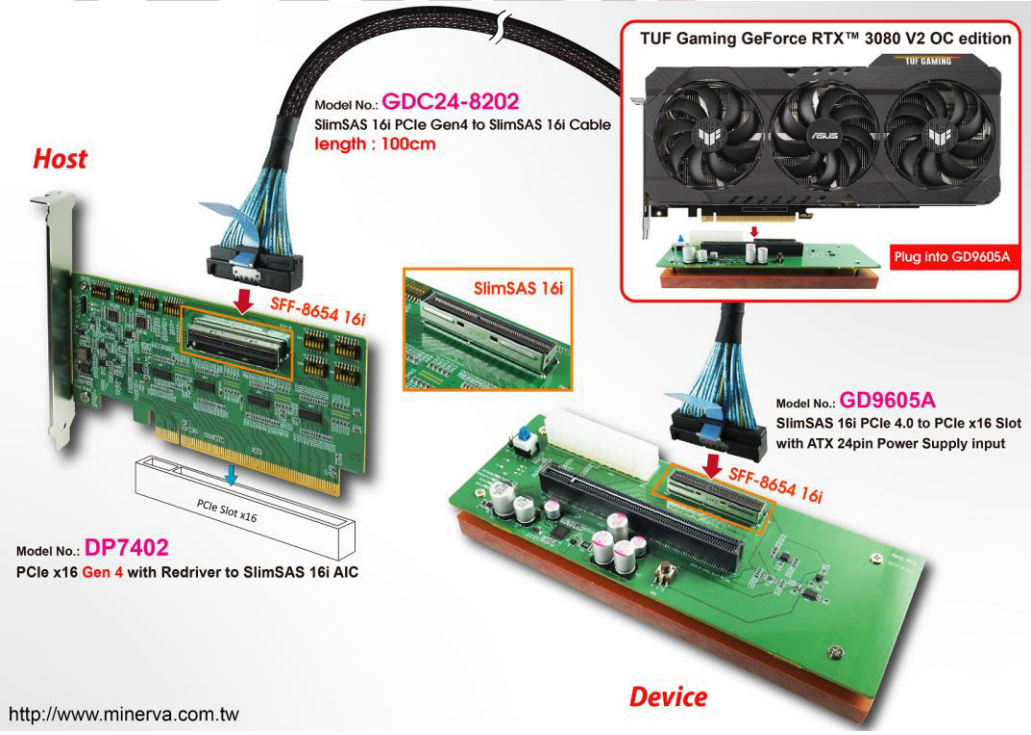
The GDC24-8202, 100cm cable supports PCIe 4.0 16 lanes link width and provides PCIe side band signals connection. The cable SI(Signal Integrity) is compliant with PCIe 4.0 Spec.

2. Tools and Results of Performance Measurement

2.1 Test Platform

M/B : ASUS **PRIME X570-PRO**
CPU : AMD **Ryzen 7, 3700X 8-Core**
Graphics: NVIDIA **GeForce RTX 3080 GPU**
Memory : Kingston **KVR26N19D8/16**, DDR4-2666MHz, **32GB**(16GB DIMM*2)
ATX Power : COOLER MASTER G750M, **750W ATX**, 12V V2.2 Power Supply
Add in Card: DP7402 PCIe x16 with ReDriver to SlimSAS 16i(SFF-8654) AIC
Cable: GDC24-8202/PCIe 4.0 SFF-8654 16i, 100cm Cable
Adapter: GD9605A SlimSAS 16i(SFF-8654) to PCIe 4.0 x16 Slot adapter
OS : Microsoft **Windows 10 64bit OS**

2.2 Test target: DP7402, GD9605A adapter & ASUS **TUF-RTX3080-O10G-GAMING**



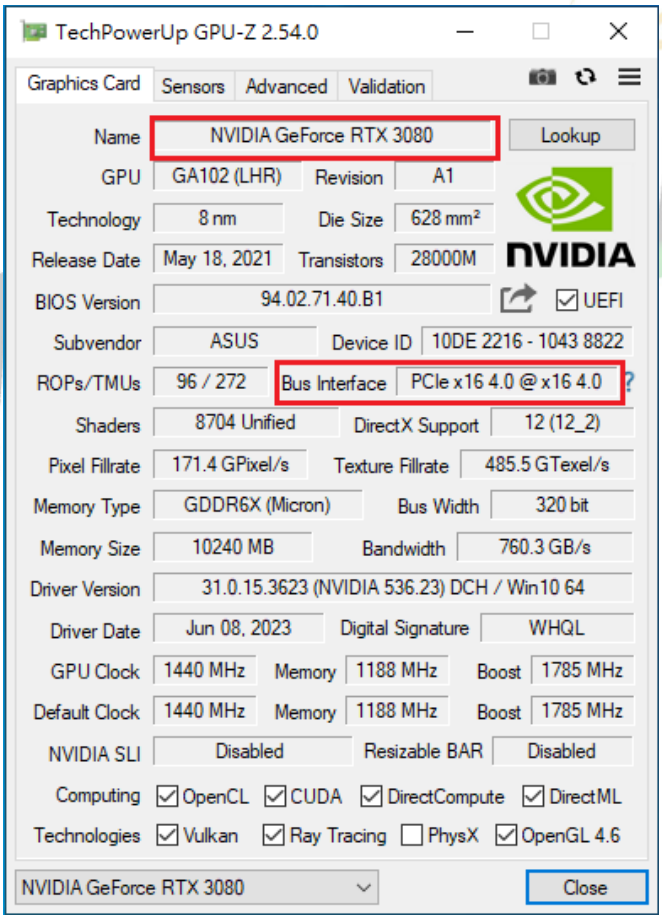
2.3 Install Hardware

First inserts the ASUS **TUF-RTX3080-O10G-GAMING** into the GD9605A PCIe X16 slot and connects the GD9605A adapter to the DP7402 AIC card (PCIe x16 Gen 4 with ReDriver to SFF-8654 16i dual port), using the **GDC24-8202, 100cm(8654 16i male to male)** Cable, and then Plugs DP7402 AIC into PCIe x16 Slot of ASUS **PRIME X570-PRO** mainboard.

2.4 BIOS & Windows 10 OS environment setup

2.4.1 Primary SATA NVMe SSD install Windows 10 OS.

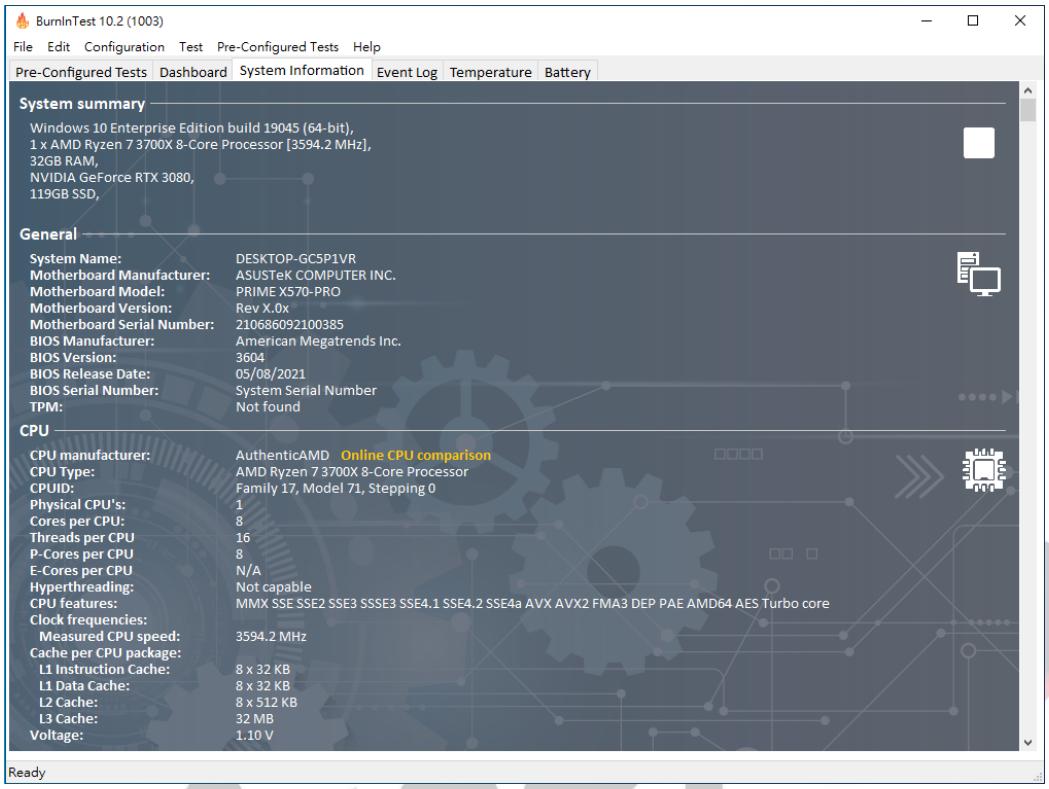
2.5 TUF-RTX3080-O10G-GAMING Imformation:

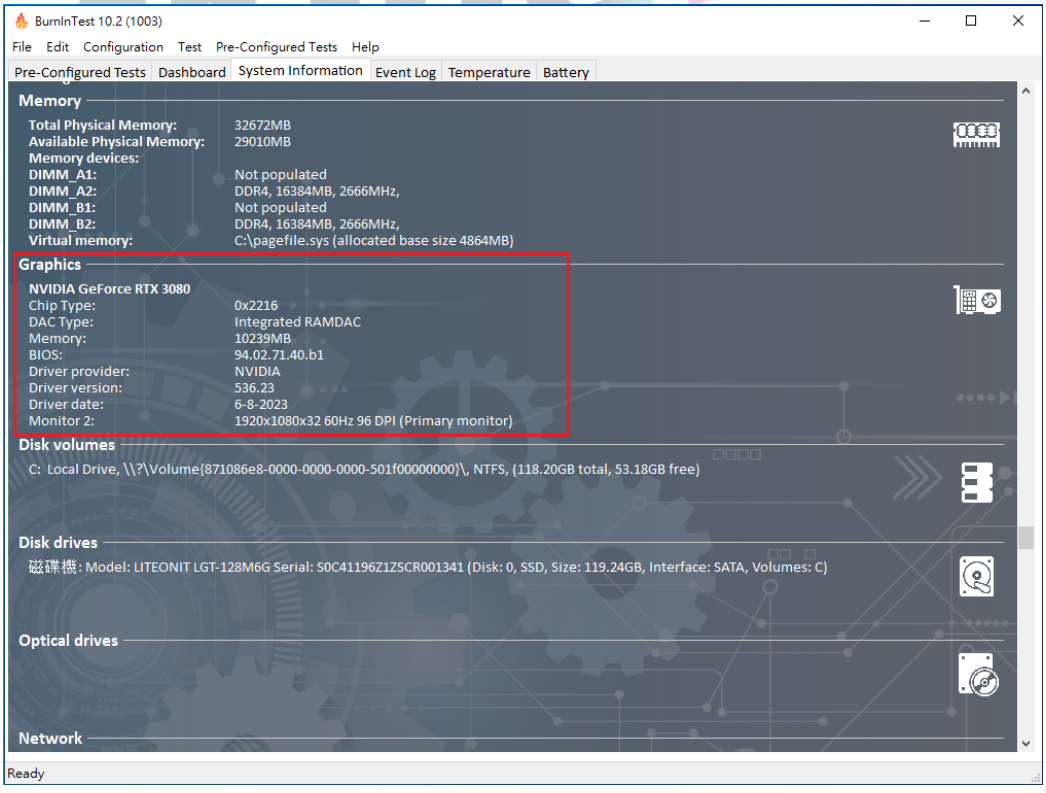


3. Burn In Tests and Results

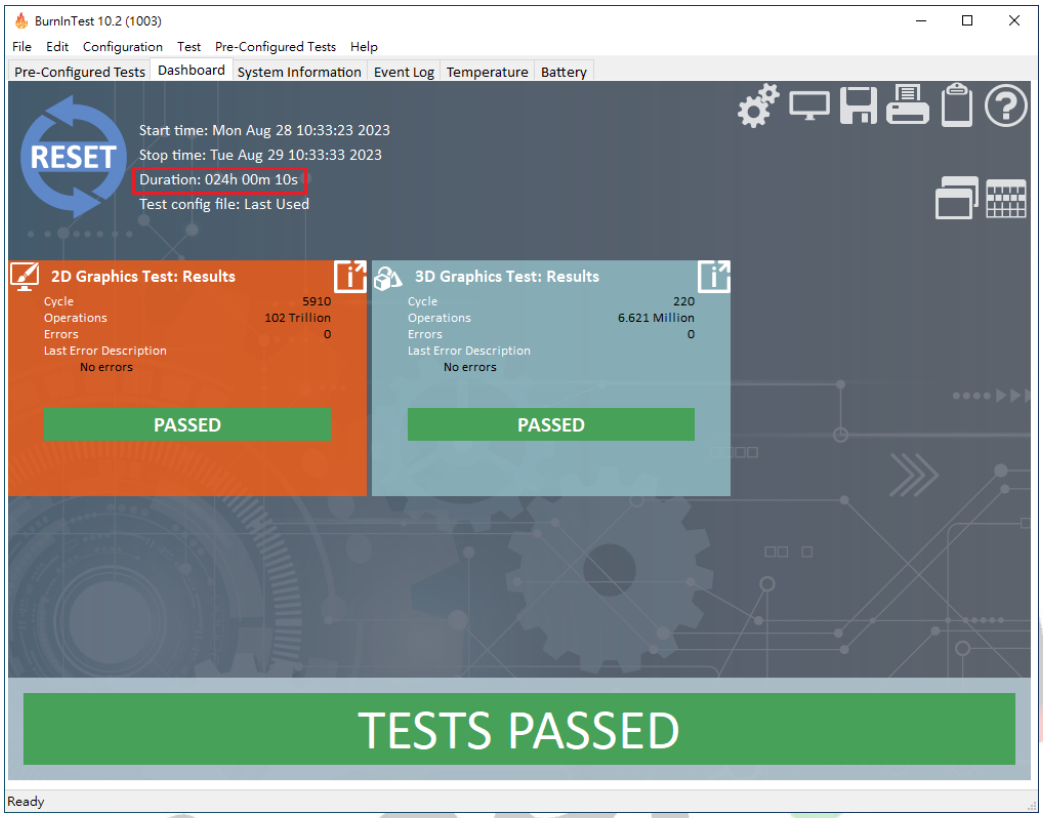
3.1 BurnInTest v10.2 Pro

3.1.1 system information as below:





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



4. Summary

4.1 ASUS **TUF-RTX3080-O10G-GAMING** is PCIe 4.0 x16 link data width.

4.2 GDC24-8202, 100cm cable I/O performance is based on Graphic card.