

The GeForce RTX™ 3050 is powered by the NVIDIA Ampere architecture. It's built with enhanced RT Cores and Tensor Cores, new streaming multiprocessors, and high-speed G6 memory.

# 3050

- 8GB, GDDR6 on board memory
- StormX design
- 0dB Technology
- Copper Base
- Mini-ITX support



DisplayPort 1.4a / HDMI 2.1 / DVI-D

### Key Features

- 2nd Gen Ray Tracing Cores
- 3rd Gen Tensor Cores
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- GDDR6 Graphics Memory
- NVIDIA DLSS
- NVIDIA® GeForce Experience™
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- Game Ready Drivers
- Vulkan RT API, OpenGL 4.6
- DisplayPort 1.4a
- Supports 4K 120Hz HDR, 8K 60Hz HDR and Variable Refresh Rate as specified in HDMI 2.1
- DVI-D with Dual Link
- HDCP 2.3
- VR Ready



### Minimum System Requirements

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- 550 W or greater system power supply
- Internet connection and 2 GB available disk space for driver installation required
- 32 GB system memory
- Microsoft Windows® 11, Windows® 10 64-bit, Linux 64-bit
- One 6-pin supplementary power connector

### Specifications

|                |                    |
|----------------|--------------------|
| Part Number    | NE63050018P1-1070F |
| GPU            | RTX 3050           |
| Core Name      | GA107              |
| CUDA Cores     | 2560               |
| Mem. Amount    | 8 GB               |
| Mem. Interface | 128 bit            |
| DRAM           | GDDR6              |
| Core Clock     | 1552 MHz           |
| Boost Clock    | 1777 MHz           |
| Memory Speed   | 14 Gbps            |
| Mem. Bandwidth | 224 (GB/Sec)       |
| Board Power    | 115 W              |
| Board size     | 162 x 117 x 40 mm  |
| Bracket        | 2 slot             |
| Cooler         | 2 slot             |
| Box size       | 315 x 181 x 57 mm  |
| Pack           | 20 pcs per carton  |
| EAN code       | 4710562243727      |

### Included in the Box

- GeForce RTX 3050 Graphics card
- User Manual