

# PNY

# NVIDIA® GeForce® GTX 1080 8GB



## 10: GAMING PERFECTED

NVIDIA's flagship GeForce® GTX 1080 is the most advanced gaming GPU ever created, powered by the new NVIDIA Pascal™ architecture.

The GeForce® GTX 1080 comes with ultra-fast FinFET and high-bandwidth GDDR5X technologies, plus support for DirectX 12 features to deliver the fastest, smoothest, most power-efficient gaming experiences.

Get the power to drive VR, ultra-high-resolution, and multiple monitors. Plus, bring more realism to every game with NVIDIA GameWorks™ technologies that deliver a true cinematic experience, smoother gameplay, and amazing new image-capture to share your game. All with the lowest latency and plug-and-play compatibility with leading VR headsets.

### KEY FEATURES

- Simultaneous Multi-Projection
- VR Ready
- NVIDIA Ansel Support
- NVIDIA® SLI® w/ HB Bridge Support
- NVIDIA G-SYNC™
- NVIDIA GameStream™
- NVIDIA GPU Boost™ 3.0
- Microsoft® DirectX® 12 Support
- Vulkan API Support
- Open GL 4.5 Support
- PCI Express 3.0
- Max Digital Resolution - 7680 × 4320 @ 60Hz<sup>1</sup>
- Display Connectors:
  - 3x DisplayPort 1.4
  - HDMI 2.0b
  - DL-DVI



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## SPECIFICATIONS

### NVIDIA GeForce® GTX 1080

PNY Part Number	<b>VCGGTX10808PB-CG2</b>
UPC Code	<b>751492617381</b>
Card Dimensions	<b>4.409" × 10.5" × 1.653" Dual-Slot</b>
Box Dimensions	<b>12.5" × 6.4" × 2.7"</b>
Weight	<b>3 lbs.</b>
NVIDIA® CUDA Cores	<b>2560</b>
Core Speed	<b>1607 MHz</b>
Boost Speed	<b>1733 MHz</b>
Memory Clock (Gbps)	<b>10</b>
Memory Size	<b>8GB GDDR5X</b>
Memory Interface	<b>256-bit</b>
Memory Bandwidth (GB/sec)	<b>320</b>
TDP	<b>180 W</b>
SLI	<b>SLI HB Bridge Supported</b>
Multi-Screen	<b>Yes</b>
Resolution	<b>7680 × 4320 @ 60Hz (Digital)<sup>1</sup></b>
Power Input	<b>One 8-Pin</b>
Bus Type	<b>PCI-Express 3.0 x16</b>

### MINIMUM SYSTEM REQUIREMENTS:

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- One 8-pin PCI Express supplementary power connectors
- Minimum 500W or greater system power supply<sup>2</sup>
- 300MB of available hard-disk space
- 2GB system memory (4GB or higher recommended)
- Windows 7-10, Linux, FreeBSDx86
- DVD-ROM drive and Internet connection<sup>3</sup>

1. 7680 × 4320 @60Hz RGB8-bit with dual DisplayPort connectors or 7680 × 4320 @60Hz YUV420 8-bit with DisplayPort 1.3 connector.
2. Recommendation is made based on PC configured with an Intel Core i7 3.2 GHz processor. Pre-built system may require less power depending on system configuration.
3. Graphics Card driver is not included in the box; GeForce Experience will download the latest GeForce driver from the Internet after install.