



NVIDIA® GeForce® GTX 1080 8GB

Founders Edition



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.



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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 @ 60Hz¹
- Support for four concurrent displays including:
 - DP1.4
 - HDMI 2.0b
 - DL-DVI

SPECIFICATIONS

NVIDIA GeForce® GTX 1080	
PNY Part Number	VCGGTX10808PB-CG
UPC Code	751492594798
Card Dimensions	11.22" × 5.11" × 1.77" Dual-Slot
Box Dimensions	15.5" × 7.7" × 3.8"
Weight	3 lbs.
NVIDIA® CUDA Cores	2560
Core Speed	1607 MHz
Boost Speed	1733 MHz
Memory Clock (Gbps)	10
Memory Size	8GB GDDR5X
Memory Interface	256-bit
Memory Bandwidth (GB/sec)	320
TDP	180 W
SLI	SLI HB Bridge Supported
Multi-Screen	Yes
Resolution	7680 × 4320 @ 60Hz (Digital) ¹
Power Input	One 8-Pin
Bus Type	PCI-Express 3.0 x16

MINIMUM SYSTEM REQUIREMENTS:

- PCI Express-compliant motherboard with one double-width x16 graphics slot
- One 8-pin PCI Express supplementary power connector
- Minimum 500 W or greater system power supply²
- 300 MB of available hard-disk space
- 2 GB system memory (4 GB or higher recommended)
- Microsoft Windows 10, Windows 8, Windows 7, Linux, FreeBSDx86
- DVD-ROM drive and Internet connection³

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.