# PNY GEFORCE® GTX 1650 4GB
## Dual Fan Edition

**Best-In-Class Performance**

Best-in-class performance with the advanced graphics capabilities of the award-winning NVIDIA Turing architecture.

**Turing Shaders**

Concurrent execution of floating point and integer operations, adaptive shading technology, and a new unified memory architecture enable awesome performance increases on today's games.

**State-Of-The-Art-Graphics**

State-of-the-art graphics features, including variable rate shading, mesh shading, and multi-view rendering.

## GRAPHICS REINVENTED

The GeForce® GTX 1650 is built with the breakthrough graphics performance of the award-winning NVIDIA Turing™ architecture. With up to 2X the performance of the GeForce GTX 950, it's a supercharger for today's most popular games, and even faster with modern titles.

This graphics card is designed to deliver a powerful combination of gaming innovation, next-gen graphics, and quiet, power-efficient operation.

Easily upgrade your PC and get game ready with performance that's up to 2X the GeForce GTX 950 and up to 70% faster than the GTX 1050 on the latest games.

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| NVIDIA® CUDA Cores | 896 |
| Clock Speed | 1410 MHz |
| Boost Speed | 1590 MHz |
| Memory Speed (Gbps) | 12 |
| Memory Size | 4GB GDDR6 |
| Memory Interface | 128-bit |
| Memory Bandwidth (Gbps) | 192 |
| TDP | 75 W |
| NVLink | Not Supported |
| Outputs | DisplayPort 1.4, HDMI 2.1, DVI-D |
| Multi-Screen | Yes |
| Resolution | 7680 x 4320 @60Hz (Digital)[1] |
| Power Input | One 6-Pin |
| Bus Type | PCI-Express 3.0 x16 |

## KEY FEATURES

• Based on Turing Architecture
• NVIDIA® GeForce Experience™
• NVIDIA® Ansel
• NVIDIA® Highlights
• Game Ready Drivers
• Microsoft® DirectX® 12 API, Vulkan API, OpenGL 4.6
• DisplayPort 1.4, HDMI 2.0b, DVI-D
• HDCP 2.2
• NVIDIA® GPU Boost™

## SYSTEM REQUIREMENTS

• PCI Express-compliant motherboard with one dual-width x16 graphics slot
• One 6-pin supplementary power connectors
• 300 W or greater system power supply[2]
• 1.5GB available hard-disk space
• 4GB system memory (8GB recommended)
• Microsoft Windows® 10 64-bit (April 2018 Update or later), Windows 7 64-bit, Linux 64-bit
• Internet connection[3]

## PRODUCT INFORMATION

| | |
|---|---|
| PNY Part Number | VCG16504D6DFXPB1 |
| UPC Code | 751492775333 |
| Card Dimensions | 7.41" x 4.53" x 1.57"; Dual-Slot 188.3 x 115.1 x 39.3mm; Dual-Slot |
| Box Dimensions | 10.33" x 7.32" x 2.56" 262.5 x 186 x 65mm |

1   7680 x 4320 @60Hz RGB8-bit with dual DisplayPort connectors or 7680 x 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.

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