

PNY VCNT400-PB

PNY NVIDIA T400 Graphics Card User Manual

Model: VCNT400-PB

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your PNY NVIDIA T400 Graphics Card. The NVIDIA T400 is designed to provide robust visual computing power for professional workflows, supporting 2D and 3D models, video editing, and multi-application environments across multiple displays. It offers advanced features and performance in a low-profile form factor, suitable for a wide range of small form factor workstations.

Please read this manual thoroughly before proceeding with installation or operation to ensure optimal performance and longevity of your product.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for the PNY NVIDIA T400 Graphics Card includes:

- NVIDIA T400 Video Graphic Card
- Low Profile Bracket (pre-installed or included)
- Standard Profile Bracket (included)
- 3x mini-DisplayPort to DisplayPort Adapters



Image: PNY NVIDIA T400 Graphics Card shown with its included accessories, including three mini-DisplayPort to DisplayPort adapters and both low-profile and standard-profile brackets.

SETUP

System Requirements

- Available PCI Express x16 slot
- Compatible operating system (e.g., Windows 10/11, Linux)
- Minimum recommended power supply unit (PSU) capacity (check system builder guidelines)
- Sufficient internal space for card dimensions (6.3 x 2.36 x 11.02 inches)

Installation Steps

1. **Preparation:** Power off your computer and disconnect all cables. Open the computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard.
3. **Remove Slot Cover:** Remove the metal slot cover corresponding to the chosen PCIe slot from the computer case.
4. **Install Graphics Card:** Carefully align the PNY NVIDIA T400 card with the PCIe slot and press firmly until it is securely seated. Ensure the retention clip on the motherboard engages.
5. **Secure Card:** Secure the graphics card to the computer case using the screw or latch mechanism provided by your case.
6. **Connect Displays:** Connect your display cables (DisplayPort) to the mini-DisplayPort outputs on the graphics card. Use the provided adapters if necessary.
7. **Close Case and Power On:** Close the computer case, reconnect all cables, and power on your computer.

8. **Driver Installation:** Once the operating system loads, install the latest NVIDIA drivers for the T400 from the official NVIDIA website (www.nvidia.com/drivers).



Image: A top-down view of the PNY NVIDIA T400 Graphics Card, highlighting its compact design and single-slot form factor, which facilitates easy installation in various PC cases.

OPERATING THE GRAPHICS CARD

The PNY NVIDIA T400 is designed for optimal performance in professional applications and multi-display setups. After successful driver installation, your operating system will automatically utilize the graphics card.

Key Features and Capabilities:

- Powered by NVIDIA Turing GPU architecture, offering enhanced performance for professional tasks.
- Supports multi-application workflows for 2D/3D modeling and video editing with high interactivity.
- Ensures hardware compatibility and stability with support for OpenGL, DirectX, Vulkan, and NVIDIA CUDA standards.
- Features dedicated decode and encode engines for H.264 and HEVC video creation and playback.
- Supports DisplayPort 1.4, enabling up to three 5K displays or one 8K display per card. Multiple cards can be combined for larger display walls.

Display Configuration:

To configure your displays, use the display settings within your operating system or the NVIDIA Control Panel (typically accessible via right-click on the desktop). Here you can set resolutions, refresh rates, and arrange multiple monitors.



Image: A side view of the PNY NVIDIA T400 Graphics Card, clearly showing its three mini-DisplayPort outputs, which allow for multi-monitor setups.

MAINTENANCE

Proper maintenance ensures the longevity and stable performance of your graphics card.

- **Keep Drivers Updated:** Regularly check the official NVIDIA website for the latest graphics drivers. Driver updates often include performance improvements, bug fixes, and compatibility enhancements.
- **Ensure Proper Airflow:** Make sure your computer case has adequate ventilation. Obstructions to airflow can lead to overheating. Keep the area around your computer clear.
- **Clean Dust:** Periodically clean dust from the graphics card's fan and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning. Avoid touching internal components directly.
- **Monitor Temperatures:** Use system monitoring software to keep an eye on the graphics card's temperature, especially during heavy workloads. Excessive temperatures can indicate insufficient cooling or a need for cleaning.

TROUBLESHOOTING

This section addresses common issues you might encounter with your PNY NVIDIA T400 Graphics Card.

Problem	Possible Cause	Solution
No display output	Card not seated correctly, incorrect cable connection, missing drivers.	Reseat the card, check display cables and adapters, install/update drivers.
Low performance in applications	Outdated drivers, incorrect application settings, insufficient system resources.	Update drivers, verify application graphics settings, ensure adequate RAM and CPU.
System crashes or freezes	Overheating, unstable drivers, power supply issues.	Check temperatures, reinstall drivers, ensure PSU meets requirements.

Problem	Possible Cause	Solution
Fan noise is excessive	Dust accumulation, high temperatures, fan malfunction.	Clean the fan and heatsink, ensure good airflow, monitor temperatures.

If issues persist, consult the NVIDIA support website or contact PNY customer support.

SPECIFICATIONS

Below are the technical specifications for the PNY NVIDIA T400 Graphics Card:

- **Graphics Coprocessor:** NVIDIA RTX T400
- **Chipset Brand:** NVIDIA
- **Graphics Card Ram Size:** 2 GB
- **Video Output Interface:** DisplayPort (via mini-DisplayPort connectors)
- **Max Screen Resolution:** 5120x2880
- **Item Model Number:** VCNT400-PB
- **Product Dimensions (LxWxH):** 6.3 x 2.36 x 11.02 inches
- **Item Weight:** 14.1 ounces
- **Manufacturer:** PNY
- **Date First Available:** August 28, 2021



Image: An angled view of the PNY NVIDIA T400 Graphics Card, showcasing its overall design and compact size.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official PNY website or the documentation included with your purchase. PNY provides support for its products to ensure customer satisfaction.

- **PNY Support Website:** www.pny.com/support (Please verify the exact URL on PNY's official site)
- **NVIDIA Driver Downloads:** www.nvidia.com/drivers

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question