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## Acer VCNT10008GB-PB

# Acer PNY NVIDIA T1000 Graphic Card User Manual

Model: VCNT10008GB-PB | Brand: Acer

## 1. INTRODUCTION AND OVERVIEW

The Acer PNY NVIDIA T1000 Graphic Card is a powerful, low-profile solution built on the NVIDIA Turing GPU architecture. It is designed to deliver full-size features, performance, and capabilities required by demanding professional applications within a compact form factor.

Featuring 896 CUDA cores and 8GB of GDDR6 memory, the T1000 enables professionals to efficiently handle multi-application workflows, ranging from complex 3D modeling to intensive video editing. It supports up to four 5K displays, providing an expansive visual workspace for detailed work. Key features include four Mini DisplayPort 1.4 connectors with latching mechanism, DisplayPort with audio support, NVIDIA RTX Desktop Manager software, NVIDIA RTX Experience, and NVIDIA Mosaic technology.

## 2. WHAT'S IN THE BOX

Upon opening the product packaging, verify that the following item is included:

- Acer PNY NVIDIA T1000 Graphic Card

Additional accessories such as Mini DisplayPort to DisplayPort adapters may be included depending on the specific retail package.

## 3. SETUP AND INSTALLATION

This section outlines the steps for installing your new graphics card into a compatible computer system.

### 3.1 Hardware Installation

- 1. Prepare Your System:** Power off your computer and disconnect all cables. Open the computer case.
- 2. Locate an Available PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard.
- 3. Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the chosen PCIe slot.
- 4. Insert the Graphics Card:** Carefully align the graphics card with the PCIe slot and press down firmly until it is fully seated. Ensure the retention clip on the motherboard clicks into place.
- 5. Secure the Card:** Secure the graphics card to the computer case using the screw or latch mechanism.
- 6. Close Case and Reconnect:** Close your computer case and reconnect all cables.



*An angled view of the Acer PNY NVIDIA T1000 Graphic Card, showing the cooling fan, heatsink, and the four Mini DisplayPort outputs. This image illustrates the physical appearance of the card.*

### 3.2 Driver Installation

After hardware installation, you must install the appropriate drivers for the graphics card to function correctly.

1. **Boot Your System:** Power on your computer. The operating system may detect new hardware and attempt to install generic drivers.
2. **Download Latest Drivers:** Visit the official NVIDIA website ([www.nvidia.com/drivers](http://www.nvidia.com/drivers)) to download the latest drivers for the NVIDIA T1000. Select your operating system and product series.
3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen prompts. A system restart may be required after installation.

## 4. OPERATING THE GRAPHICS CARD

Once installed and drivers are updated, your NVIDIA T1000 is ready for use. This section covers basic operation and software utilities.

### 4.1 Connecting Displays

The T1000 features four Mini DisplayPort 1.4 outputs. Use Mini DisplayPort cables or certified adapters to connect your monitors. The card supports up to four 5K displays simultaneously.

### 4.2 NVIDIA Software Utilities

- **NVIDIA RTX Desktop Manager:** This utility provides advanced display management features, allowing you to configure multiple displays, create custom desktop profiles, and manage window placement.
- **NVIDIA RTX Experience:** Optimize your creative applications and workflows with features like automatic driver updates, GPU-accelerated video recording, and performance optimization.
- **NVIDIA Mosaic Technology:** For advanced multi-display setups, Mosaic technology allows you to span a single desktop across multiple displays, creating a large, unified workspace.

## 5. MAINTENANCE

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

- **Dust Removal:** Periodically clean dust from the graphics card's fan and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Driver Updates:** Regularly check the NVIDIA website for the latest driver updates. Keeping drivers current can improve performance, stability, and compatibility with new software.
- **System Ventilation:** Ensure your computer case has adequate airflow to prevent overheating of components, including the graphics card.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

- **No Display Output:**
  - Ensure the monitor cables are securely connected to the graphics card and the monitor.
  - Verify the graphics card is fully seated in its PCIe slot.
  - Check if your monitor is set to the correct input source.
  - Try connecting to a different display output on the card or a different monitor.
- **Driver Issues or Errors:**
  - Perform a clean installation of the latest NVIDIA drivers. Uninstall existing drivers before installing new ones.
  - Ensure your operating system is up to date.
- **Poor Performance or Crashes:**
  - Check for overheating. Ensure the card's fan is spinning and the heatsink is clear of dust.
  - Verify your system meets the minimum requirements for the applications you are running.
  - Ensure your power supply unit (PSU) provides sufficient power to all components.

For further assistance, refer to the NVIDIA support website or contact Acer customer support.

## 7. SPECIFICATIONS

Feature	Detail
Graphics Coprocessor	NVIDIA T1000
Graphics Card Ram Size	8 GB GDDR6
Max Screen Resolution	7680x4320
Video Output Interface	Mini DisplayPort (x4)
Item Model Number	VCNT10008GB-PB

Feature	Detail
Item Weight	14.4 ounces (approx. 408 grams)
Product Dimensions (LxWxH)	11 x 6.3 x 4 inches (approx. 27.9 x 16 x 10.2 cm)
Manufacturer	Acer America Corp.
ASIN	B09TFPFLW7

## 8. WARRANTY AND SUPPORT

For information regarding warranty coverage, terms, and conditions, please refer to the documentation included with your product or visit the official Acer or NVIDIA support websites.

**Acer Support:** [www.acer.com/support](http://www.acer.com/support)

**NVIDIA Support:** [www.nvidia.com/support](http://www.nvidia.com/support)

When contacting support, please have your product model number (VCNT10008GB-PB) and ASIN (B09TFPFLW7) ready.