⚠ WARNING!   Electronic Emission Notices

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions contained in this manual, may cause harmful interference to radio and television communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - REORIENT OR RELOCATE THE RECEIVING ANTENNA
- - INCREASE THE SEPARATION BETWEEN THE EQUIPMENT AND THE RECEIVER
- - CONNECT THE EQUIPMENT INTO AN OUTLET ON A CIRCUIT DIFFERENT FROM THAT OF THE RECEIVER
- - CONSULT THE DEALER OR AN EXPERIENCED AUDIO/TELEVISION TECHNICIAN

NOTE:
Connecting this device to peripheral devices that do not comply with Class B requirements, or using an unshielded peripheral data cable, could also result in harmful interference to radio or television reception.

The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CE Declaration of conformity

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirements of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Canadian Department of Communication Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Precautions - Read this first!
1) Static electricity precautions
Do not take the ZOTAC PCIe SSD card out from the original static electricity protection package until you are ready to install it. Before installing, wear a grounded wrist strap if possible, or discharge static electricity by touching the bare metal surface of the system chassis. Carefully hold the ZOTAC PCIe SSD card by its rear bracket, and avoid touching the "gold finger" PCB edge connector unless it is necessary.

2) Turn off system power before installing the ZOTAC PCIe SSD card
Turn off the AC main power to the system, by the AC main power switch or by detaching the AC power cord. Damage to the ZOTAC PCIe SSD card or the system components, or injury to you may result if power is turned on during the installation. Please consult a qualified technician if necessary. The manufacturer assumes no liability for any damage, caused directly or indirectly, by improper installation by unauthorized service personnel.

Overview
This guide describes how to install the ZOTAC PCIe SSD card and verify it is installed correctly.

What's in the Box:
- • ZOTAC PCIe SSD Card
- • Mounting Brackets (Full and Low-Profile)
- • Quick Installation Guide
- • Warranty Card

Product Specifications:
- • **PCIe Interface:** PCI Express Gen 3.0 x 4
- • **Compliance:** NVMe 1.2, PCI Express Base 3.0
- • **Flash Interface:** Flash Type: MLC, 2pcs to 16pcs of BGA flash
- • **Performance:** Read: up to 2,600 MB/s, Write: up to 1,300 MB/s
- • **MTBF:** Up to 2,000,000+ hours
- • **Advanced Flash Management:**
  - - Static and Dynamic Wear Leveling
  - - Bad Block Management
  - - TRIM
  - - SMART
  - - Over-Provision
  - - Firmware Update
  - - SmartFlush and GuaranteedFlush
- • **Power Consumption**
  - - Read/Write/Idle: 5.57W / 7.27W / 0.5W
  - - Operating Voltage: 12V +/- 8%
  - - RoHS compliant
- • **Low Power Management:** ASPM/PCI-PM L0s, L1, L1.1 and L1.2
- • **Temperature Range:** Operation: 0°C~70°C, Storage: -40°C~85°C
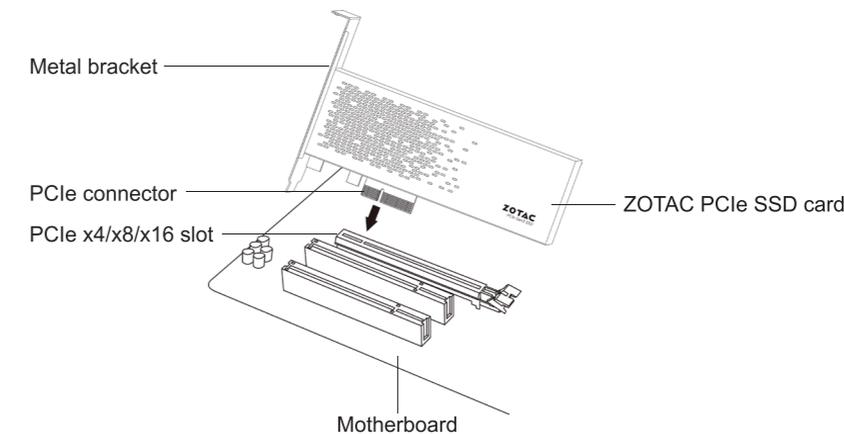
System Requirements
- • System with an available PCI Express (PCIe) Gen 3.0 x4, x8 or x16 slot
- • Supported Operating Systems:
  - - Windows 10/8.1/8 (32 or 64-bit)
  - - Windows 7 (32 or 64-bit) *NVMe driver is required

Installing the ZOTAC PCIe SSD Card
Unpack the ZOTAC PCIe SSD card. Inspect the SSD card for shipment damage. If any damage is detected, contact your supplier.
Note: Please back up your data before changing the system's configuration.
1. Shut down the system and unplug the power cable from the AC power source.
2. Open the system chassis to access the PCI Express x4/x8/x16 slot. Refer to your system manual for instructions.
3. Remove the metal bracket cover near the PCI Express x4/x8/x16 slot. Save the screw for later use.
4. Hold the SSD card firmly and insert its golden connectors into the PCI Express x4/x8/x16 slot.
5. Make sure that the SSD card is properly seated in the slot, and then secure the metal bracket with a screw.
6. Replace the system cover and re-connect all power cables.

Metal bracket
PCIe connector
PCIe x4/x8/x16 slot
ZOTAC PCIe SSD card
Motherboard

Insert the ZOTAC PCIe SSD card to the slot.
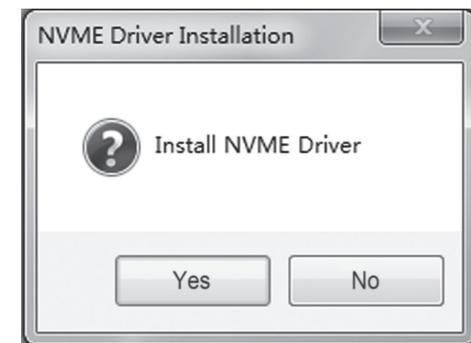
Driver Installation

For Microsoft Windows 7 (32 or 64-bit), NVMe Driver is required. The driver installation procedure is as follows.

1) Download and decompression
If you download the driver file from **http://www.zotac.com/support/SSD** and decompress it, you will see the driver installer file, "**ZTSSD_NVM_driver.exe**".
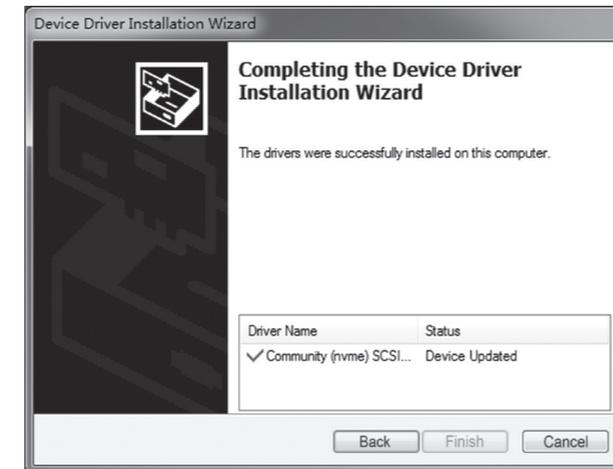
2) Installing the ZOTAC NVMe Windows Driver
- Double click the "**ZTSSD_NVM_driver.exe**" file with the administrator privilege.
- The **ZOTAC NVMe Driver** is ready to install. Click install to continue with the installation.

- When the screen pops up shortly, select setup and click OK to begin the installation.

- Lastly, when the setup completion screen pops up, complete the installation by clicking Finish button, then please restart the computer.

QUICK START GUIDE

SONIX

PCIe Solid State Drive