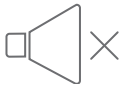# OWC ACCELSIOR **1A**
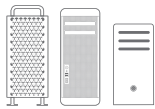## PCIe Adapter Card for Apple and OWC SSDs

DIY Ready
Easily add Apple factory
or OWC SSD

Continued Drive Use
Gives you data access and
storage options

Cool and Silent
Heat sink for cool,
distraction-free operation

PCIe SSD
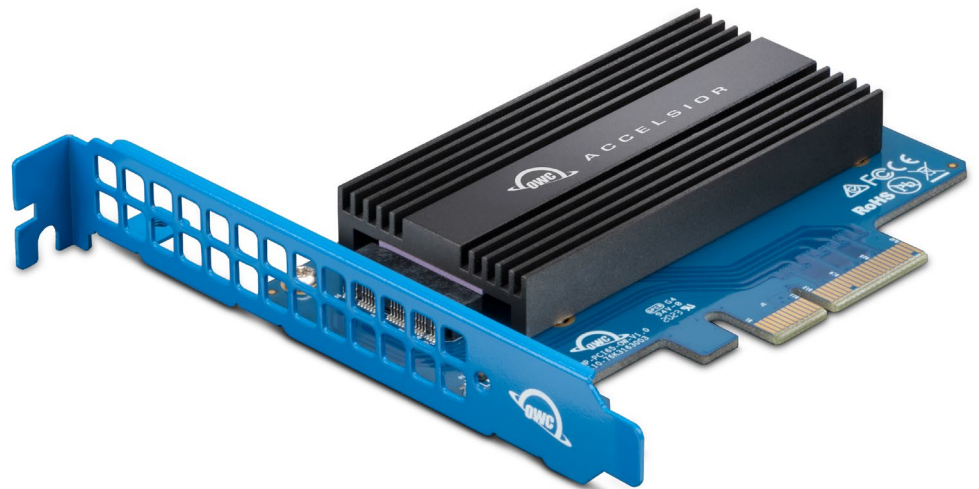Works with Mac and
PC towers
or PCIe chassis

TABLE OF CONTENTS

INTRODUCTION

1.1 SYSTEM REQUIREMENTS

Operating System:
- Mac: macOS 10.13.6 or later
- PC: Windows 10 or later

Hardware:
- Mac or PC with compatible PCIe slot
    - PCIe 3.0 or greater strongly recommended
    - Lanes: x4 or greater strongly recommended
    - Physical: x4 or greater required
- Recommended Thunderbolt 3 PCIe chassis
    - OWC: Helios 3, Helios 3S, Helios FX series
    - AKiTiO: Node, Node Duo, Node Lite,
      Node Pro, Node Titan

Driver:
- None required

Supported Apple SSDs:
- Late 2013-2015 MacBook Pro
- Mid 2013-2017 MacBook Air
- 2013 Mac Pro
- 2014 Mac mini
- Late 2013-2019 iMac

Supported OWC SSDs:
- Aura Pro X2
- Aura Pro X
- Aura N

1.2 PACKAGE CONTENTS

OWC Accelsior 1A

Quick start guide

1.3 ABOUT THIS MANUAL

The images and descriptions may vary slightly between this manual and the unit shipped. Functions and features may change depending on the firmware version. The latest product details and warranty information can be found on the product web page. OWC's Limited Warranty is not transferable and subject to limitations.

⚠ Safety Precautions

Use proper anti-static precautions while installing this PCIe card into the desktop computer or Thunderbolt PCIe expansion chassis. Failure to do so can cause damage to the drives and/or the computer.

Do not attempt to disassemble or modify the device. To avoid any risk of electrical shock, fire, short-circuiting or dangerous emissions, never insert any metallic object into the device. If it appears to be malfunctioning, please contact technical support.

Never expose your device to rain, or use it near water or in damp or wet conditions.
Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.

1.4 SIDE VIEW

1. PCIe connector — align this part of the device with a compatible PCIe slot on the host computer or enclosure.

2.

LED	Power On	Disk Activity
	Solid Green[1]	Flashing Green

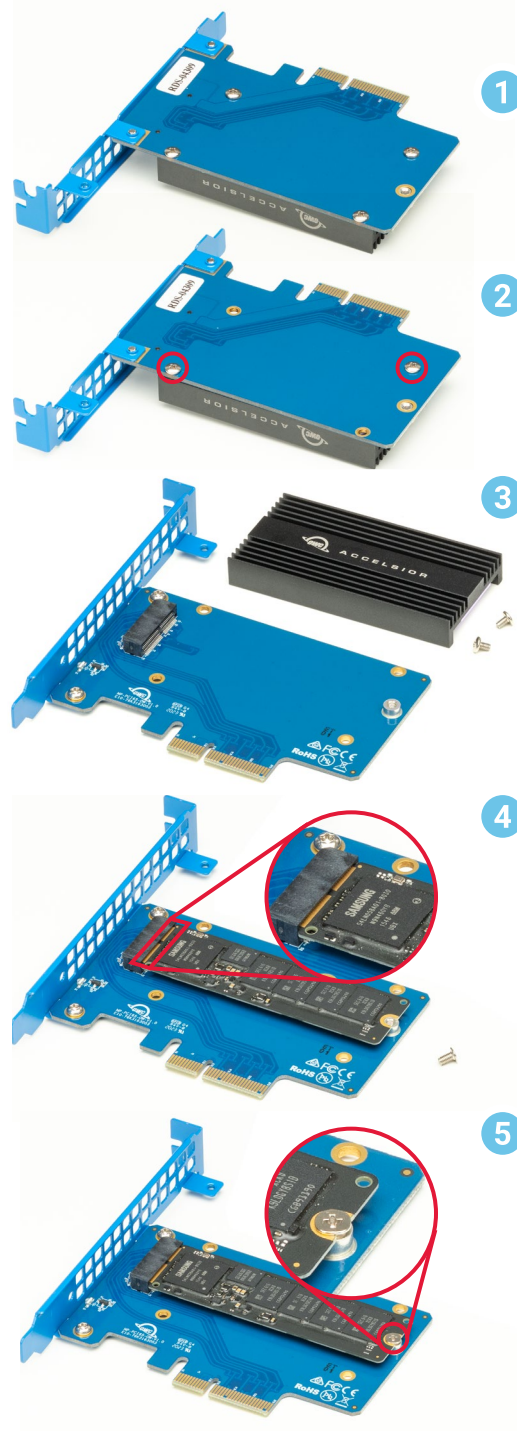1. Solid green may only apply to OWC SSDs

INSTALLATION

2.1 INSTALLING THE SSD

The steps below show how to install the SSD. Note that Steps 1-5 are the same for all drive types. Steps 6 and 7 are required only if your SSD does not include a heat sink. Please see Section 3.2 if you are unsure; our Support Team is happy to assist you with next steps

1. Remove the device from its packaging and set it on a flat work surface, heat sink facing down.

2. Remove the two highlighted screws and set them aside; this will detach the heat sink on the opposite side.

3. Turn the card over and set the heat sink aside.

4. Take the SSD (an Apple model is shown here) and align its connector with the slot on the PCBA, then insert the drive until fully seated. Minimal force is required; if the drive does not seat, don't apply more force, instead remove the drive, re-align it and try again.

5. Use the flat-top screw from the included packet, to affix the drive to the post.

6. Place the heat sink (shown in 6a) near the edge of a table. With the PCIe card face down, align the four screw holes on the card (shown in 6b) with the corresponding ones on the heat sink. Then, rest the card on the heat sink. Note the bracket should rest over the edge of the work surface so that the heat sink and card are perfectly flat.

7. To complete the installation, re-affix the two screws that were removed in Step 2, and affix the two additional screws from the included packet, at the locations highlighted in image 6b.
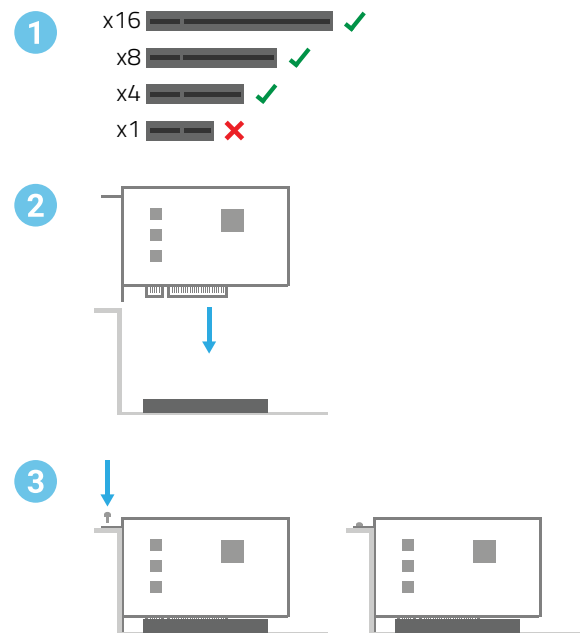

2.2 INSTALLING THE CARD IN A HOST COMPUTER OR PCIE ENCLOSURE

Please follow the steps below to install the Accelsior 1A PCIe SSD into a host computer or enclosure with a compatible PCIe slot. Note: this card is susceptible to invisible damage if not protected during installation. For proper grounding, we recommend using a grounding strap. Work in a clean, static-free area, and avoid wearing clothing that retains static charges. Please visit this URL for more information: www.owc.com/support/anti-static

1. Disconnect all power and powered devices from your desktop computer or Thunderbolt PCIe expansion chassis, then open the case so that the compatible PCIe slot is visible and accessible.

2. Align the PCIe connector on the Accelsior 1A SSD with the compatible slot then carefully seat the card into the slot as shown at right. If there is resistance, do not force the card into the slot. Remove it, re-align the card's connector and try again.

3. Once the card is fully seated affix the included screw to the bracket as shown. Notes: a) no auxiliary power connectors or other attachments are required to use this SSD; b) Some computers and PCIe chassis may use a plate with spring-loaded screws or other method to secure PCIe cards; please follow the manufacturer's recommended method.

SUPPORT RESOURCES

3.1 TROUBLESHOOTING

Many problems can be traced back to the SSD not being fully seated in the Accelsior 1A connector, or the Accelsior 1A itself not being fully seated in the host computer or expansion device's PCIe slot. Please review Section 2 to make sure everything was installed properly. You may need to reseat and re-affix the SSD, the PCIe card, or both.

If the card is working generally but you are not seeing the expected performance levels, this can sometimes be traced back to installing the Accelsior 1A in a PCIe 2.0 or earlier slot and/or a slot with limited data lanes. Please make sure that the PCIe slot being used provides enough bandwidth. If you're still having trouble after verifying the above items, please contact our award-winning Technical Support Team; we are happy to assist you.

3.2 CONTACTING TECHNICAL SUPPORT

Phone: M–F, 8am–8pm CT
1.866.692.7100 (N. America) | +1.815.338.4751 (Int'l)

Chat: M–F, 8am–8pm, Sat 9am–5pm CT
www.owc.com/support

Email: Answered within 48 hours
www.owc.com/support

CHANGES:

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FCC STATEMENT:

Warning! Modifications not authorized by the manufacturer may void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARRANTY:

The Accelsior 1A has a 1 Year OWC Limited Warranty. For up-to-date product and warranty information, please visit the product web page.

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