IRDM ULTIMATE NVMe PCIe M.2 SSD
Product Manual

Thank you for choosing IRDM by GOODRAM product. Before first use, please read this user manual to learn about how to use and store this product. We recommend to retain this manual for future read.

Usage and compatibility

This mass storage device is intended for use as an internal storage device in desktop and laptop computers.

This product is compatible with the following operating systems:

- Microsoft Windows® 8 / 8.1 / 10

This product is dedicated for consumer-class applications. This product is not intended to be used in critical systems, which require high performance or high reliability (e.g. servers, industrial applications), unless it is stated that the product is dedicated for these applications. This product is not designed for use as "critical component" in "life support equipment or systems" or for other "critical applications".

Please refer to your desktop PC, laptop or motherboard manual to learn about their compatibility with this SSD.

WARNING: Computer configuration and operating system may affect performance of this SSD

Capacity:

Storage capacity for IRDM by GOODRAM SSD is always expressed in decimal values. That means, 1GB equals 1 000 000 000 bytes. Operating system that use the binary conversion eg. 1GB equals 1 073 741 824 bytes may show lower storage capacity value than advertised. Additionally, a part of the storage is reserved for files and firmware, managing the drive.

Safety measures

To ensure the best user experience and safe use, please follow the precautions listed below:

Do not:

- expose this product to potential damage and excess heat or extremely low temperatures
- immerse any part of this product in water or other liquid
- place the product near the naked flame

Caution:

- provide accurate heat dissipation
- this product is not a toy and is not intended for children under the age of three
- use this product only with compatible devices
- wrong installation of any of the parts may cause damage to the SSD or computer

Symbol explanation

Below you will find explanation of symbols used in this manual. Please read this important information before continuing.

Manufacturer declares that this product, marked with CE sign, conforms with the essential requirements contained in EU directives Responsible f or CE marking is Wilk Elektronik SA, with its registered office in Laziska Gorne 43-173, Mikolowska 42, Poland. Copy of the declaration can be obtained by contacting Wilk Elektronik SA.

This product may not be treated as a household waste. It should be utilized in appropriate recycling center.

The product can be recycled which means that materials used for its production can be reused.

The product is not a toy and is not intended for children under the age of three.

It is forbidden to place the product near the naked flame.

It is forbidden to immerse any part of this product in water or other liquid, especially when it operates.

It is forbidden to expose this product to potential damage and excess heat or extremely low temperatures that do not comply with the product specification.

This product complies with VCCI (Class B) standard.



Manufacturer's warranty

Warranty conditions are listed in separate document, available at product website at:

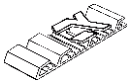
www.goodram.com/warranty

Manufacturer
Wilk Elektronik SA
Mikolowska 42
43-173 Laziska Gorne
Poland

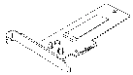
PACKAGE CONTENTS:



SSD M.2



Radiator



AIC HHHL Adapter



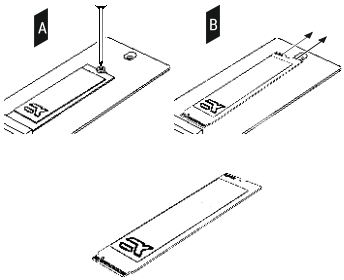
Low profile mounting bracket

REQUIRED TOOLS

- PH1/PH2 screwdriver
- Soft flat Surface

Removing M.2 SSD from AIC HHHL adapter:

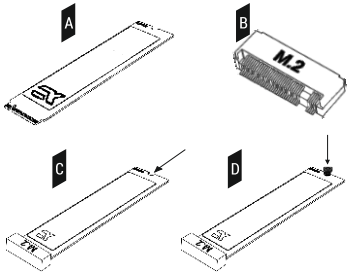
1. Prepare screwdriver. *(PH1 recommended)*
2. Holding the mounting bracket, remove M.2 SSD + AIC HHHL adapter set from the packaging.
3. Place the adapter on a soft flat surface, with M.2 SSD facing up.
4. Remove the screw that secures the M.2 SSD. *(pic 01/A)*
5. Carefully remove the M.2 SSD from the adapter. *(pic 01/B)*



pic 01

Installing M.2 SSD in laptops or desktop computer with M.2 PCIe connector:

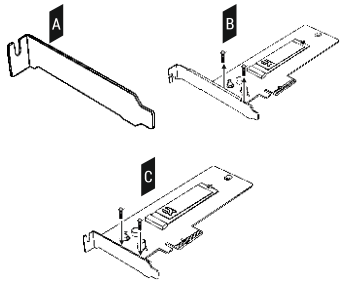
1. Prepare M.2 SSD without the AIC HHHL adapter. *(pic 02/A)*
2. Prepare screwdriver. *(PH1 recommended)*
3. Turn off your computer and disconnect from power sources.
4. Locate M.2 PCIe connector on your motherboard. *(pic 02/B)*
5. Install the M.2 SSD into the M.2 PCIe connector according to laptop, desktop computer or motherboard. *(pic 02/C)*
6. Secure the M.2 SSD by fastening it to the motherboard with screws. *(pic 02/D)*



pic 02

Switching mounting bracket for a low profile version

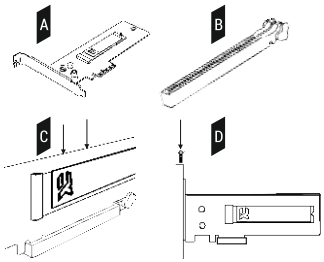
1. Prepare screwdriver. *(PH2 recommended)*
2. Remove the low profile mounting bracket from packaging. *(pic 03/A)*
3. Holding the mounting bracket, remove M.2 SSD + AIC HHHL adapter set from the packaging.
4. Place the set on a soft and flat surface.
5. Remove the screws that secure the mounting bracket to the adapter. *(pic 03/B)*
6. Fit the low profile mounting bracket to adapter and fasten it with the screws. *(pic 03/C)*



pic 03

Installing M.2 SSD with AIC HHHL adapter in desktop computer:

1. Prepare screwdriver. *(PH2 recommended)*
2. Turn off your computer and disconnect from power sources.
3. Holding the mounting bracket, remove M.2 SSD + AIC HHHL adapter set from the packaging. *(pic 04/A)*
4. Prepare an empty PCIe 3.0 (x4, x8, x16) slot on your motherboard.
5. Remove the corresponding bracket from the back of computer case. *(pic 04/B)*
6. Install the AIC HHHL adapter with SSD into the PCIe connector according to motherboard or desktop computer manual. *(pic 04/C)*
7. Secure the adapter by fastening it to the case with screws. *(pic 04/D)*

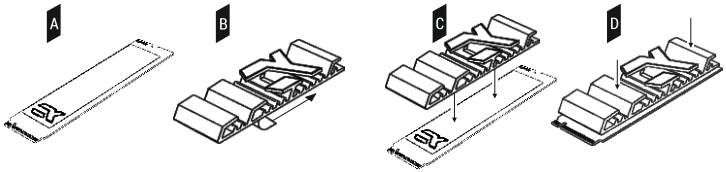


pic 04

Installing the heatsink:

1. Remove the M.2 SSD from the AIC HHHL adapter.
2. Place the M.2 SSD on a soft and flat surface. *(pic 05/A)*
3. Remove heatsink from the packaging and remove the protective film covering the mounting tape on the bottom of the adapter. *(pic 05/B)*
4. Attach the heatsink (pic 05/C) onto the M.2 SSD paying attention to:
   - Correct placement direction
   - Avoiding overlapping the connector by heatsink
   - Avoiding overlapping the mounting hole
5. Gently push the radiator to the SSD. *(pic 05/D)*
6. Re-install the M.2 SSD onto the HHHL adapter or install it in your desktop computer's motherboard.

ATTENTION: do not install the heatsink on M.2 SSD when planning to use it in laptops or other devices with limited space for SSD installation. Ensure that the radiator has been installed correctly. Wrong installation of heatsink may damage your computer.



pic 05