



# RS6541AW Release Notes

**V1.01 - July 16, 2025**

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# 1. Overview

This release notes describe the supported operating systems, new features, resolved issues, known issues, and trouble shooting with the RS6541AW Release Notes.

The information contained in this document is intended as supplemental information only; it should be used in conjunction with the documentation provided for each component.

## 1.1. Basic Information

The following table describes the basic information of the the Released Notes.

**Table 1-1: Basic Information of the Windows Software Released Notes**

|                                    |                                                                                                                                                                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Released Component</b>          | HighPoint_NVMe_G5_RAID_Windows_Software_HLK_v1.5.21.0.2_24_12_19.zip                                                                                                                                                                            |
| <b>Released Contents</b>           | <ul style="list-style-type: none"><li>● First package release.</li></ul>                                                                                                                                                                        |
| <b>Released Version</b>            | Windows Software Version: v1.5.21.0.2<br>(Driver Version: v1.5.21.0)<br>(RAID Management Version: v3.1.50)                                                                                                                                      |
| <b>Released Date</b>               | 01/17/2025                                                                                                                                                                                                                                      |
| <b>Supported Operating Systems</b> | <ul style="list-style-type: none"><li>● Windows 11</li><li>● Windows 10</li><li>● Windows Server 2025</li><li>● Windows Server 2022</li><li>● Windows Server 2019</li><li>● Windows Server 2016</li><li>● Windows Hyper-V Server 2019</li></ul> |

**Table 1-2: Basic Information of the Linux Software Released Notes**

|                                    |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Released Component</b>          | HighPoint_NVMe_G5_RAID_Linux_Software_v1.8.41.0.0_25_07_09.tgz                                                                                    |
| <b>Released Contents</b>           | <ul style="list-style-type: none"><li>● Support kernel 6.14 and redhat 10.0.</li></ul>                                                            |
| <b>Released Version</b>            | Linux Software Version: v1.8.41.0.0<br>(Driver Version: v1.8.41)<br>(RAID Management Version: v3.2.61)                                            |
| <b>Released Date</b>               | 07/16/2025                                                                                                                                        |
| <b>Supported Operating Systems</b> | <ul style="list-style-type: none"><li>● RHEL</li><li>● Debian</li><li>● Ubuntu</li><li>● Fedora</li><li>● Proxmox</li><li>● Rocky Linux</li></ul> |

**Table 1-3: Basic Information of the Firmware Released Notes**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Released Component</b> | R7534ASSW_HLK_v0.8.36.0_v2.4.1_2025_01_03.fw                             |
| <b>Released Contents</b>  | <ul style="list-style-type: none"><li>● First package release.</li></ul> |
| <b>Released Version</b>   | Firmware Version: v0.8.36.0                                              |
| <b>Released Date</b>      | 01/17/2025                                                               |

## 1.2. Package Contents

**Table 1-4: Package Contents of the Windows Software**

| Released Component                          |            |                                      | Description                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HighPoint_NVMe_G5_RAID_Windows_Software.exe |            |                                      | Executable file to install RAID software (Driver&Management) for HighPoint NVMe RAID Controller.                                                                                                                                                               |
| Installer Package                           | Driver     | HighPoint NVMe G5 Windows Driver.exe | Driver installation program.                                                                                                                                                                                                                                   |
|                                             |            | Readme-Driver.txt                    | Readme for windows driver.                                                                                                                                                                                                                                     |
|                                             |            | x64                                  | Driver to install Windows on the RAID of NVMe RAID Controller.                                                                                                                                                                                                 |
|                                             | Management | HighPoint RAID Management.exe        | RAID management installation program.                                                                                                                                                                                                                          |
|                                             |            | Readme-Management.txt                | Readme for windows management.                                                                                                                                                                                                                                 |
| Readme.txt                                  |            |                                      | This file is divided into the following major sections:<br>1. Software Version<br>2. Products List<br>3. Files List<br>4. Software Installation Guide<br>5. Software Uninstallation Guide<br>6. Software Update Guide<br>7. Known issue<br>8. Revision History |

**Table 1-5: Package Contents of the Linux Software**

| Released Component | Description                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>setup.bin</b>   | Software for NVMe RAID controller.                                                                                                                                                                                                                                                                                               |
| <b>README.txt</b>  | This file is divided into the following major sections:<br>1. Overview<br>2. File List<br>3. Software Version<br>4. Installation<br>5. Management Software Usage<br>6. Driver Uninstallation<br>7. Management Uninstalltion<br>8. Driver Revision History<br>9. Management Revision History<br>10. Technical Support And Service |

**Table 1-6: Package Contents of the Firmware**

| Released Component                            | Description    |
|-----------------------------------------------|----------------|
| <b>RS6541AWSSW_HLK_vx.x.x.x_202x_xx_xx.fw</b> | Firmware file. |

## 2. New Features

### 2.1. Windows Software v1.5.21.0.2 Release

The following table lists the new features introduced with the Windows Software v1.5.21.0.2.

| Date       | Release Version | New Feature              |
|------------|-----------------|--------------------------|
| 01/17/2025 | v1.5.21.0.2     | ● First package release. |

### 2.2. Linux Software v1.8.41.0.0 Release

The following table lists the new features introduced with the Linux Software v1.8.41.0.0.

| Date       | Release Version | New Feature                            |
|------------|-----------------|----------------------------------------|
| 07/16/2025 | v1.8.41.0.0     | ● Support kernel 6.14 and redhat 10.0. |

### 2.3. Linux Software v1.8.31.2 Release

The following table lists the new features introduced with the Linux Software v1.8.31.2.

| Date       | Release Version | New Feature              |
|------------|-----------------|--------------------------|
| 01/17/2025 | v1.8.31.2       | ● First package release. |

### 2.4. Firmware v0.8.36.0 Release

The following table lists the new features introduced with the Firmware v0.8.36.0.

| Date       | Release Version | New Feature              |
|------------|-----------------|--------------------------|
| 01/17/2025 | v0.8.36.0       | ● First package release. |

## 3. Known Issues

### 3.1. Windows Software v1.5.21.0.2 Release

The following table lists the known issues introduced with the Windows Software v1.5.21.0.2.

**Table3-1: Hibernation fails or not work in BootRAID**

|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>       | Hibernation fails or not work in BootRAID                                                                               |
| <b>Description</b> | Hibernation fails or not work when the system is installed on a NVMe RAID, this bug will affect fast startup and sleep. |
| <b>Workaround</b>  | Please use administrator privileges to turn off hibernation with the following command:<br><br>powercfg /h off          |

**Table3-2: No Sensor Information on WebGUI-Physical in the MicrosoftEdge Browser**

|                    |                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>       | No Sensor Information on WebGUI-Physical in the MicrosoftEdge Browser                                                         |
| <b>Description</b> | Open the collected index.xml file using the MicrosoftEdge Browser. No sensor information is displayed on the WebGUI-Physical. |
| <b>Workaround</b>  | This issue is browser related. Please just change to Google Chrome.                                                           |

## 4. Install/ Uninstall/ Update the Windows Software

The following sections describe how to install, uninstall, and update the Windows Software.

### 4.1. Install the Windows Software

To install the HighPoint RAID Software on the Windows operating system, perform the following steps.

1. Locate the HighPoint RAID Software download and open the file.
2. Double-click **HighPoint NVMe G5 RAID Windows Software.exe**.
3. Select the optional components you wish to install. Click **Install** to start the installation.
4. Click **Finish** to reboot Windows.

### 4.2. Uninstall the Windows Software

The software should be uninstalled from the "Programs and Features" in the Control

1. Panel or the "Apps & Features" in the Settings.
2. Please select "**HighPoint NVME RAID Driver**" and click uninstall. And reboot the system if prompted.
3. Please select "**HighPoint RAID Management**" and click uninstall. And reboot the system if prompted.

### 4.3. Update the Windows Software

To update the NVMe RAID software, run the **HighPoint\_NVMe\_G5\_RAID\_Windows\_Software.exe**.

## 5. Install/ Uninstall/ Update the Linux Software

The following sections describe how to install, uninstall, and update the Linux Software.

### 5.1. Install the Linux Software

To install the HighPoint RAID Software on the Linux operating system, perform the following steps.

1. Enter the following command to extract the HighPoint RAID Software package:  
**#tar zxvf HighPoint\_NVMe\_G5\_Linux\_Software\_vx.x.xx\_xx\_xx\_xx.tar.gz**
2. Enter the following command to install the HighPoint RAID Software.  
**#sh setup.bin (or ./setup.bin)**
3. The system will prompt you to restart to make the driver take effect. Manually restart the system.

### 5.2. Uninstall the Linux Software

1. Enter the following command to uninstall the driver, and press **Y/y** to confirm.  
**#hptuninhptnvme**
2. Enter the following command to uninstall the RAID management, and press **Y/y** to confirm.  
**#hptuninhptsvr**
3. Manually reboot the system.

### 5.3. Update the Linux Software

To update the NVMe RAID software, run the **setup.bin**.



## 6. Update the Firmware

The following sections describe how to update the firmware in the WebGUI and CLI.

### 6.1. Update the Firmware in the WebGUI

To update the firmware in the WebGUI, perform the following steps.

1. Open the **WebGUI**.
2. Click the **Physical→Enclosure#** tab.
3. Click **Choose File** to select the file with a suffix of blf.
4. Click **Check**.
5. Select **Confirm** to flash the selected firmware.
6. Reboot the system to make the update take effect.

### 6.2. Update the Firmware in the CLI

This command allows you to select the blf file to update the AIC firmware and the UEFI HII Utility version. The process may take some time.

**HPT CLI>update {controller\_id enclosure\_id} fw={file path}**

**Input example:**

```
HPT CLI>update 1/E1 fw=C:\Users\test\Desktop\RS6541AWSSW_HLK_v0.8.51.0_v2.4.1_2025_02_19.blf
```

## **7. Revision History**

### **7.1. Version 1.00, January 17, 2025**

1. Initial version
2. Windows Software V1.5.21.0.2 Released.
3. Linux Software v1.8.31.2 Released.
4. Firmware v0.8.36.0 Released.

### **7.2. Version 1.01, July 16, 2025**

Linux Software v1.8.41.0.0 Released.