RS6542AW Release Notes

V1.02 - July 16, 2025

Table of Contents

1. Overview

This release notes describe the supported operating systems, new features, resolved issues, known issues, and trouble shooting with the RS6542AW 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

Released Component	HighPoint_NVMe_G5_RAID_Windows_Software_HLK_v1.5.10.0.2_24_09_20.zip
Released Contents	● First package release.
Released Version	Windows Software Version: v1.5.10.0.2 (Driver Version: v1.5.10.0) (RAID Management Version: v3.1.50)
Released Date	10/12/2024
Supported Operating Systems	● Windows 11 ● Windows 10 ● Windows Server 2022 ● Windows Server 2019 ● Windows Server 2016 ● Windows Hyper-V Server 2019

Table 1-2: Basic Information of the Linux Open Source Driver Released Notes

Released Component	HighPoint_NVMe_G5_Linux_Src_v1.6.21.0_2025_07_09.tar.gz
Released Contents	● Support kernel 6.14 and redhat 10.0. ● Support Intel IBT.
Released Version	v1.6.21.0
Released Date	07/16/2025
Supported Operating Systems	● RHEL ● Debian ● Ubuntu ● Fedora ● Proxmox ● Rocky Linux

Table 1-3: Basic Information of the Linux RAID Management Released Notes

Released Component	RAID_Manage_Linux_v3.1.14_23_04_21.tgz
Released Contents	● First package release.
Released Version	v3.1.14
Released Date	8/2/2024
Supported Operating Systems	● RHEL ● Debian ● Ubuntu ● Fedora ● Proxmox ● Rocky Linux

1.2. Package Contents

Table 1-4: Package Contents of the Windows Software

<table>
<tr><th colspan="3">Released Component</th><th>Description</th></tr>
<tr><td colspan="3">HighPoint_NVMe_G5_RAID_Windows_ Software.exe</td><td>Executable file to install RAID software (Driver&Management) for HighPoint NVMe RAID Controller.</td></tr>
<tr><td rowspan="5">Installer Package</td><td rowspan="3">Driver</td><td>HighPoint NVMe G5 Windows Driver.exe</td><td>Driver installation program.</td></tr>
<tr><td>Readme-Driver.txt</td><td>Readme for windows driver.</td></tr>
<tr><td>x64</td><td>Driver to install Windows on the RAID of NVMe RAID Controller.</td></tr>
<tr><td rowspan="2">Management</td><td>HighPoint RAID Management.exe</td><td>RAID management installation program.</td></tr>
<tr><td>Readme-Management.txt</td><td>Readme for windows management.</td></tr>
<tr><td colspan="3">Readme.txt</td><td>This file is divided into the following major sections:
1. Software Version
2. Products List
3. Files List
4. Software Installation Guide
5. Software Uninstallation Guide
6. Software Update Guide
7. Known issue
8. Revision History</td></tr>
</table>

Table 1-5: Package Contents of the Linux Driver

Released Component	Description
hptnvme_g5_linux_src_vx.x.x_xx_xx_xx.bin	driver for NVMe RAID controller.
README.txt	This file is divided into the following major sections: 1. Overview 2. File list 3. Installation 4. Uninstallation 5. Revision history 6. Technical support and service

Table 1-6: Package Contents of the Linux RAID Management

Released Component	Description
README.txt	1. Files Listing 2. System Requirements 3. Installing the Software Package 4. Running the Management Software 5. Rivision History
RAID_Manage_Linux_vx.x.xx_xx_xx_xx.bin	Install file
HPT_CLI_Guide.pdf	CLI User Manual

2. New Features

2.1. Windows Software v1.5.10.0.2 Release

The following table lists the new features introduced with the Windows Software v1.5.10.0.2.

Date	Release Version	New Feature
10/12/2024	v1.5.10.0.2	● First package release. (Combined Windows Driver and Windows RAID Management)

2.2. Linux Open Source Driver v1.6.21.0 Release

The following table lists the new features introduced with the Linux Open Source Driver v1.6.21.0.

Date	Release Version	New Feature
07/16/2025	v1.6.21.0	● Support kernel 6.14 and redhat 10.0. ● Support Intel IBT.

2.3. Linux Open Source Driver v1.6.19.0 Release

The following table lists the new features introduced with the Linux Open Source Driver v1.6.19.0.

Date	Release Version	New Feature
12/20/2024	v1.6.19.0	● Support kernel 6.11.

2.4. Linux Open Source Driver v1.6.2.0 Release

The following table lists the new features introduced with the Linux Open Source Driver v1.6.2.0.

Date	Release Version	New Feature
8/2/2024	v1.6.2.0	● First package release.

2.5. Linux RAID Management v3.1.14 Release

The following table lists the new features introduced with the Linux RAID Management v3.1.14.

Date	Release Version	New Feature
8/2/2024	v3.1.14	● First package release.

3. Known Issues

3.1. Windows Software v1.5.10.0.2 Release

The following table lists the known issues introduced with the Windows Software v1.5.10.0.2.

Table3-1: Hibernation fails or not work in BootRAID

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

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 Open Source Driver

The following sections describe how to install, uninstall, and update the Linux Open Source Driver.

5.1. Install the Linux Open Source Driver

To install the Linux Open Source Driver on the Linux operating system, perform the following steps.

1. Enter the following command to extract the Linux Open Source Driver package:

   #tar zxvf HighPoint_NVMe_G5_Linux_Src_vx.x.xx_xx_xx_xx.tar.gz

2. Enter the following command to install the Linux Open Source Driver.

   #sh hptnvme_g5_linux_src_vxx.x.x_xx_xx_xx.bin
   (or **./hptnvme_g5_linux_src_vxx.x.x_xx_xx_xx.bin)**

3. The system will prompt you to restart to make the driver take effect. Manually restart the system.

5.2. Uninstall the Linux Open Source Driver

1. Enter the following command to uninstall the driver, and press **Y/y** to confirm.
   #hptuninhptnvme

2. Manually reboot the system.

5.3. Update the Linux Open Source Driver

To update the Linux Open Source Driver, run the **hptnvme_g5_linux_src_vxx.x.x_xx_xx_xx.bin**.

6. Install/ Uninstall/ Update the Linux RAID Management

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

6.1. Install the Linux RAID Management

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

1. Enter the following command to extract the Linux RAID Management package:

   #tar zxvf RAID_Manage_Linux_v_vx.x.xx_xx_xx_xx.tgz

2. Enter the following command to install the Linux RAID Management.

   #sh RAID_Manage_Linux_vx.x.x_x_x_x.bin (or **./RAID_Manage_Linux_vx.x.x_x_x_x.bin)**

6.2. Uninstall the Linux RAID Management

Enter the following command to uninstall the RAID management, and press **Y/y** to confirm.
#rpm -e hptsvr-https (or **dpkg -r hptsvr)**

6.3. Update the Linux RAID Management

To update the Linux RAID Management, run the **RAID_Manage_Linux_vx.x.x_x_x_x.bin**.

7. Revision History

7.1. Version 1.00, August 2, 2024

1.Initial version

2.Windows Driver v1.3.7.0 Release

3.Windows RAID Management v3.0.15 Release

4.Linux Open Source Driver v1.6.2.0 Release

5.Linux RAID Management v3.1.14 Release

7.2. Version 1.01, December 20, 2024

1.Windows Software v1.5.10.0.2 Release

2.Linux Open Source Driver v1.6.19.0 Release

7.3. Version 1.02, July 16, 2025

Linux Open Source Driver v1.6.21.0 Release