R7528D Release Notes

V1.03 - November 28, 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 R7528D 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_v1.5.0.0.4_24_06_14.zip
Released Contents	● Driver signed by Microsoft Windows Hardware Compatibility Publisher. ● Support R7528D.
Released Version	Windows Software Version: v1.5.0.0.4 (Driver Version: v1.5.0.0) (RAID Management Version: v3.1.3)
Released Date	06/28/2024
Supported Operating Systems	● Windows 11 ● Windows 10 ● Windows Server 2025 ● Windows Server 2022 ● Windows Server 2019 ● Windows Server 2016 ● Windows Hyper-V Server 2019

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

Released Component	HighPoint_NVMe_G5_RAID_Linux_Software_v1.8.42.0.0_25_11_11.tgz
Released Contents	● The kernel supports versions up to 6.17. ● The minimum supported kernel version starts from 4.18.
Released Version	Linux Software Version: v1.8.42.0.0 (Driver Version: v1.8.42) (RAID Management Version: v3.2.61)
Released Date	11/28/2025
Supported Operating Systems	● RHEL ● Debian ● Ubuntu ● Fedora ● Proxmox ● Rocky Linux

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

Released Component	R7528DSSW_HLK_v0.8.51.0_v2.4.1_2025_02_19.zip
Released Contents	Firmware Version: v0.8.51.0 ● Support UBM and VPP. ● Supports disabling and enabling LEDs.
Released Version	Firmware Version: v0.8.51.0
Released Date	02/28/2025

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: 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

Table 1-5: Package Contents of the Linux Software

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

Table 1-6: Package Contents of the Firmware

Released Component	Description
R7528DSSW_HLK_vx.x.x.x_202x_xx_xx.blf	Firmware file.
Readme.txt	This file is divided into the following major sections: 1. Software Version 2. Files List 3. Product List 4. Revision History 5. UEFI Revision History

2. New Features

2.1. Windows Software v1.5.0.0.4 Release

The following table lists the new features introduced with the Windows Software v1.5.0.0.4.

Date	Release Version	New Feature
06/28/2024	v1.5.0.0.4	● Driver signed by Microsoft Windows Hardware Compatibility Publisher. ● First package release.

2.2. Linux Software v1.8.42.0.0 Release

The following table lists the new features introduced with the Linux Software v1.8.42.0.0.

Date	Release Version	New Feature
11/28/2025	v1.8.42.0.0	● The kernel supports versions up to 6.17. ● The minimum supported kernel version starts from 4.18.

2.3. 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.

2.4. Linux Software v1.8.12.0 Release

The following table lists the new features introduced with the Linux Software v1.8.12.0.

Date	Release Version	New Feature
12/20/2024	v1.8.12.0	● Support kernel 6.11.

2.5. Linux Software v1.8.1 Release

The following table lists the new features introduced with the Linux Software v1.8.1.

Date	Release Version	New Feature
06/28/2024	v1.8.1	● First package release.

2.6. Firmware v0.8.51.0 Release

The following table lists the new features introduced with the Firmware v0.8.51.0.

Date	Release Version	New Feature
02/28/2025	v0.8.51.0	● Support UBM and VPP. ● Supports disabling and enabling LEDs.Support R7528D.

2.7. Firmware v0.8.2.0 Release

The following table lists the new features introduced with the Firmware v0.8.2.0.

Date	Release Version	New Feature
06/28/2024	v0.8.2.0	● First package release.

3. Known Issues

3.1. Windows Software v1.5.0.0.4 Release

The following table lists the known issues introduced with the Windows Software v1.5.0.0.4.

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

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

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

3.2. Firmware v0.8.51.0 Release

The following table lists the known issues introduced with the Firmware v0.8.51.0.

Table3-3: Disk Recognition and LED Anomalies Caused by the Independent Power Supplies for the System and UBM Backplane

Title	Disk Recognition and LED Anomalies Caused by the Independent Power Supplies for the System and UBM Backplane
Description	In UBM-mode backplanes, if the system and backplane are powered by separate supplies and the system is powered on before the backplane, the following issues may occur: ● Random channel disks will not be loaded ● The corresponding backplane light of the disk does not meet the specification.
Workaround	Power on the backplane first and allow it to initialize before booting the system.

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. Select "**HighPoint NVME RAID Driver**" and click uninstall. And reboot the system if prompted.
3. 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\R7528DSSW_HLK_v0.8.51.0_v2.4.1_2025_02_19.blf
```

7. Revision History

7.1. Version 1.00, June 28, 2024

1. Initial version
2. Windows Software V1.5.0.0.4 Released.
3. Linux Software v1.8.1 Released.
4. Firmware v0.8.2.0 Released.

7.2. Version 1.01, February 28, 2025

1. Linux Software v1.8.12.0 Released
2. Firmware v0.8.51.0 Released

7.3. Version 1.02, July 16, 2025

Linux Software v1.8.41.0.0 Released.

7.4. Version 1.03, November 28, 2025

Linux Software v1.8.42.0.0 Released.