



Release Notes

Seagate® Nytro™ WarpDrive® and Nytro XP6000 Application Acceleration Cards Release 16

XP6209-4A1024
XP6209-4B2048
XP6210-4A2048
XP6210-4B2048
XP6302-8B1536
XP6302-8B2048
XP6302-8B4096
XP6301-BFH8-3200

100767759
April 2017

Revision History

| Date | Description of Changes |
|------------|--|
| April 2017 | <ul style="list-style-type: none">■ Added XP6301 related information.■ Updated Section 2, Supported Products.■ Updated Section 3, Software Components and Drivers.■ Added Section 4, New Features.■ Updated Section 6, Defects Fixed Since Release 15.■ Added Section 5, Known Issues.■ Removed references to DDCLI and Enterprise Storage Manager in the entire document. |
| June 2016 | <ul style="list-style-type: none">■ Updated XP6302 device information for Firmware Package versions. See, Section 2, Supported Products.■ Updated XP6302 device information for IBUTTON initialization and uEFI boot fixes. See, Section 6, Defects Fixed Since Release 15. |
| April 2016 | NA |

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Seagate Nytro WarpDrive and Nytro XP6000 Application Acceleration Card Release Notes

1 Release Notes Overview

These release notes correspond to the current release of the firmware, drivers, and utilities for the Seagate[®] Nytro[™] WarpDrive[®] and Nytro XP6000 Application Acceleration cards release version 16. [Table 1](#) shows the package versions of individual devices and models.

This release of the Nytro WarpDrive and Nytro XP6000 card includes the Nytro command line interface support. For more information about the supported Nytro CLI commands and DDCLI commands to Nytro CLI commands mapping, refer to the *Seagate Nytro Command Line Interface User Guide*.

For a complete list of features supported, refer to the *Seagate Nytro XP6000 Series Application Acceleration Cards Product Brief* and *Seagate Nytro XP6000 Application Acceleration Card User Guide*.

2 Supported Products

[Table 1](#) shows the supported products, their model name, firmware, firmware version, package version, Flash Module, Flash Module Firmware version and usable capacity.

Table 1 Supported Products

| DEVICE NAME | MODEL NAME | NYTRO FIRMWARE PACKAGE VERSION | NYTRO FLASH MODULE | NYTRO FLASH MODULE FIRMWARE VERSION | USABLE CAPACITY |
|---------------|------------------|--------------------------------|--------------------|-------------------------------------|-----------------|
| Nytro XP6209 | XP6209-4A1024 | 16.00.01.00 | 1M256 | PROLUI6J | 930 GB |
| Nytro XP6209 | XP6209-4B2048 | 16.00.02.00 | 2M512 | PROLU61B | 1796 GB |
| Nytro XP6210 | XP6210-4A2048 | 16.00.01.00 | 1M512 | PROLUI6J | 1860 GB |
| Nytro XP6210 | XP6210-4B2048 | 16.00.01.00 | 1E512 | PROLUI6J | 1860 GB |
| Nytro XP 6302 | XP6302-8B1536 | 16.00.01.00 | 1E192 | PROLUI6J | 1300 GB |
| Nytro XP 6302 | XP6302-8B2048 | 16.00.01.00 | 1E256 | PROLUI6J | 1750 GB |
| Nytro XP 6302 | XP6302-8B4096 | 16.00.02.00 | 1E512 | PROLU61B | 3512 GB |
| Nytro XP 6301 | XP6301-BFH8-3200 | 16.00.01.00 | 1E512 | PROLUI6J | 3200 GB |

3 Software Components and Drivers

The following table lists the current versions of the software components for the Nytro WarpDrive and Nytro XP6000 cards.

Table 2 Nytro WarpDrive and Nytro XP6000 Cards Software Components

| OPERATING SYSTEM | VERSION |
|--|---|
| Windows® Server ® | 2008 R2 SP1 |
| SUSE® Linux® Enterprise Server (SLES™) x64 and x32 | Version 12 |
| CentOS® x64 | Version 6.7, and 6.8, Version 7.1 and 7.2 |
| Debian® x64 | Version 7.8, 8.2, 8.5 and 8.7 |
| Red Hat® Enterprise Linux (RHEL) x64 | Version 6.7 and 6.8 Version 7.1 and 7.2 |
| VMware® ESXi x64 | Version 5.5 and 6.0 |
| Ubuntu | Version 14.04.5 LTS |
| NYTRO WARPDRIVE AND NYTRO XP6000 FIRMWARE | FIRMWARE PACKAGE VERSION |
| Nytro WarpDrive and Nytro XP6000 firmware revision | See, Table 1, Supported Products, on page 4 |
| NYTRO FLASH MODULE | VERSION |
| Nytro Flash Modules | See, Table 1, Supported Products, on page 4 |
| SEAGATE UTILITY | VERSION |
| NytroCLI | Version 2.00.31 |
| SNMP | Version 2.00-00.00 |
| SMIS | Version 90.03.V0.02 |

To download the latest software components and drivers, visit the following website:
<http://www.seagate.com/products/solid-state-flash-storage/accelerator-cards/>.

4 New Features

This section lists new features included in the current release of the Nytro WarpDrive and Nytro XP6000.

- Support for uEFI 2.4.1
- Retrieve Health and List information from the Warpdrive card via I2C(Out Of Band)
- Retrieve board power information from the Warpdrive card via I2C(Out Of Band).
- DFF FW has been updated to the latest releases
- All the tools have been updated and qualified to be common across the product lines
- OS support has been upgraded. See [Table 2, Nytro WarpDrive and Nytro XP6000 Cards Software Components, on page 5](#).

5 Known Issues

- For XP6210, `updatepkg` command might fail when using an older version of Windows driver. Always use the latest version of Windows driver. Check for the latest version of Windows driver at: <http://www.seagate.com/in/en/support/solid-state-flash-storage/accelerator-cards/nytro-xp6200-accelerator-card/>

6 Defects Fixed Since Release 15

This section lists the critical defects fixed since release 15 of Nytro WarpDrive.

- In XP6302 devices, Error reporting to BMC/IPMI (OOB to card through I2C) is fixed.
- Minor defect fixes for performance improvement.



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