

## What's New - August 2022

### Article

#### New drive options for servers

Many new drive options and support extensions of existing drives were announced this month.

#### New drive families

This month, we announced the following new drive families for use in ThinkSystem servers:

- ThinkSystem 5400 PRO Read Intensive SATA 6Gb SSDs  
<https://lenovopress.lenovo.com/lp1634>
- ThinkSystem 5400 MAX Mixed Use SATA 6Gb SSDs  
<https://lenovopress.lenovo.com/lp1635>
- ThinkSystem PM1653 Read Intensive SAS 24Gb SSDs  
<https://lenovopress.lenovo.com/lp1636>
- ThinkSystem PM1655 Mixed Use SAS 24Gb SSDs  
<https://lenovopress.lenovo.com/lp1637>



Figure 1. ThinkSystem PM1653 Read Intensive SAS 24Gb SSDs, available in capacities up to 30.72TB

#### New capacities in existing drive families

We also announced added drive capacities and form factors to existing drive families:

- ThinkSystem U.2 P5520 Read Intensive NVMe PCIe 4.0 SSDs - added 7.68 TB and 15.26 TB capacities, and added trayless drives for water-cooled servers  
<https://lenovopress.lenovo.com/lp1588>
- ThinkSystem U.2 P5620 Mixed Use NVMe PCIe 4.0 SSDs - added 6.4 TB and 12.8 TB capacities  
<https://lenovopress.lenovo.com/lp1589>

- ThinkSystem U.3 PM1733a Read Intensive NVMe PCIe 4.0 SSDs - added 30.72 TB capacity  
<https://lenovopress.lenovo.com/lp1592>
- ThinkSystem U.3 7450 PRO Read Intensive NVMe PCIe 4.0 SSDs - added trayless drives for water-cooled servers, and added E1.S form factor drives  
<https://lenovopress.lenovo.com/lp1590>

### Support extensions

In addition, we expanded support of the following drives to now be supported by most ThinkSystem servers:

- ThinkSystem U.3 7450 PRO Read Intensive NVMe PCIe 4.0 SSDs  
<https://lenovopress.lenovo.com/lp1590>
- ThinkSystem U.3 7450 MAX Mixed Use NVMe PCIe 4.0 SSDs  
<https://lenovopress.lenovo.com/lp1591>

And the following drives were extended to the SR860 V2 and SR850 V2 servers:

- ThinkSystem U.2 P5520 Read Intensive NVMe PCIe 4.0 SSDs  
<https://lenovopress.lenovo.com/lp1588>
- ThinkSystem U.2 P5620 Mixed Use NVMe PCIe 4.0 SSDs  
<https://lenovopress.lenovo.com/lp1589>

### Replacement part numbers for 2.4TB HDDs

On the SR645 and SR630 V2 the following drive option part numbers have been announced:

- ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD v2, 4XB7A83970
- ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD FIPS v2, 4XB7A84038

The above drives are replacing the following drives which are now withdrawn from these two servers:

- ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD, 7XB7A00069
- ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD FIPS, 7XB7A00070

**Note:** This announcement and withdrawal only apply to the SR645 and SR630 V2.

## ThinkSystem SR655 - Windows 10/11 support

We are now providing DCSC configurator support for installing Windows 10 and Windows 11 on the ThinkSystem SR655 server. This new addition will enable customers to use the AMD-based 2U rack server as a high-performance workstation.



Figure 2. Lenovo ThinkSystem SR655 now runs Windows 10 and Windows 11

Not all adapters and components are supported; for example Fibre Channel and InfiniBand adapters are not supported. For ease of configuration, additional Base CTO models have been announced to assist building a configuration that can be used with the client operating systems. The product guide provides the specifics about what components are supported.

In addition, the following GPUs have been announced for use with a Windows 10/11 configuration:

- ThinkSystem NVIDIA RTX A2000 12GB PCIe Active GPU
- ThinkSystem NVIDIA RTX A4500 20GB PCIe Active GPU
- ThinkSystem NVIDIA RTX A6000 48GB PCIe Active GPU

For all the details, see the [ThinkSystem SR655 product guide](#).

Note that a Windows client license for the system cannot be ordered from Lenovo nor can the OS be preloaded on the system in the factory. For a Windows license and for preloads, please contact your Lenovo business partner.

## Related product families

Product families related to this document are the following:

- [Drives](#)
- [ThinkSystem SR655 Server](#)

## Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service. Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

Lenovo (United States), Inc.  
8001 Development Drive  
Morrisville, NC 27560  
U.S.A.  
Attention: Lenovo Director of Licensing

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary. Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk. Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

© Copyright Lenovo 2024. All rights reserved.

This document, LP1640, was created or updated on September 1, 2022.

Send us your comments in one of the following ways:

- Use the online Contact us review form found at:  
<https://lenovopress.lenovo.com/LP1640>
- Send your comments in an e-mail to:  
[comments@lenovopress.com](mailto:comments@lenovopress.com)

This document is available online at <https://lenovopress.lenovo.com/LP1640>.

## Trademarks

Lenovo and the Lenovo logo are trademarks or registered trademarks of Lenovo in the United States, other countries, or both. A current list of Lenovo trademarks is available on the Web at <https://www.lenovo.com/us/en/legal/copytrade/>.

The following terms are trademarks of Lenovo in the United States, other countries, or both:

Lenovo®

ThinkSystem®

The following terms are trademarks of other companies:

AMD is a trademark of Advanced Micro Devices, Inc.

Windows® is a trademark of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.