



INTEL® VIRTUAL RAID ON CPU (INTEL® VROC) SUPPORTED CONFIGURATIONS

Intel® VROC 6.0

This document covers the solid state drives (SSD), operating systems (OS), and configurations supported by Intel® Virtual RAID on CPU (Intel® VROC). If any of this information conflicts with the support information provided by a platform OEM or ODM, the platform documentation and configurations should take precedent.

The support guidance is dependent on the Intel® VROC version being used. This document is for Intel® VROC 6.0. If you are using another Intel® VROC version, please reference the Supported Configurations guide for that version.

NVME* SSD SUPPORT LIST

This section covers the SSDs that are supported on the product Intel® Virtual RAID on CPU. This includes the Intel® SSDs and third-party SSDs from other vendors.

Intel® SSDs	Third Party Vendor SSDs
<p>All Intel® SSDs for Data Center with NVMe* (including but not limited to):</p> <ul style="list-style-type: none">• Intel® SSD DC P3100 Series• Intel® SSD DC P3500 Series• Intel® SSD DC P3520 Series• Intel® SSD DC P3600 Series• Intel® SSD DC P3608 Series• Intel® SSD DC P3700 Series• Intel® SSD DC P4101 Series• Intel® SSD DC P4500 Series• Intel® SSD DC P4501 Series• Intel® SSD DC P4510 Series• Intel® SSD DC P4511 Series• Intel® SSD DC P4600 Series• Intel® SSD DC P4610 Series• Intel® Optane™ SSD DC P4800X Series• Intel® Optane™ SSD DC P4801X Series <p>List continued on next page</p>	<p>Huawei</p> <ul style="list-style-type: none">• ES3600P* <p>Micron</p> <ul style="list-style-type: none">• 9100 Series*• 9200 Series* <p>Samsung</p> <ul style="list-style-type: none">• SM951*• SM961*• PM953*• PM961*• PM963*• PM983* <p>List continued on next page</p>



<p>All Intel® Professional NVMe SSDs:</p> <ul style="list-style-type: none"> • Intel® SSD Pro 7600p Series • Intel® SSD Pro 6000p Series <p>Other select Intel® SSD Series:</p> <ul style="list-style-type: none"> • Intel® Optane™ SSD 900P Series • Intel® Optane™ SSD 905P Series 	<p>Toshiba</p> <ul style="list-style-type: none"> • XG3* • XG5* <p>Lenovo</p> <ul style="list-style-type: none"> • Atsani* <p>Western Digital</p> <ul style="list-style-type: none"> • SN720*
--	---

OS SUPPORT LIST

This section covers the operating systems that are supported on the product Intel® Virtual RAID on CPU.

Linux*	Windows*
<p>RedHat Enterprise* Linux:</p> <ul style="list-style-type: none"> • RHEL 7.5 • RHEL 7.6 • RHEL 8.0 <p>SUSE Linux* Enterprise:</p> <ul style="list-style-type: none"> • SLES 12 SP3 • SLES 12 SP4 • SLES 15 	<p>Windows* 10</p> <p>Windows* 2012 R2</p> <p>Windows* 2016</p> <p>Windows* 2019</p>

SUPPORT HW CONFIGURATIONS

This section covers the configurations and platform limitations supported on the product Intel® Virtual RAID on CPU.

Configurations	
<p>SSD Totals:</p> <ul style="list-style-type: none"> • 4 Direct Attached SSDs per Intel® VMD controller • 24 SSDs per Intel® VMD Controller when using switches • 24 SSDs per RAID 0/5 array • 4 SSDs per RAID10 array • 2 SSDs per RAID1 array • 48 SSDs per platform when using switches 	<p>Platform Considerations:</p> <ul style="list-style-type: none"> • Up to 2 levels of switches • Up to 2 RAID volumes per array • Data volumes can span Intel® Volume Management Device controllers and CPUs <p>Boot volumes cannot span Intel® Volume Management Device controllers</p>



Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

Intel disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade.

Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the US and/or other countries.

*Other names and brands may be claimed as the property of others.

© Intel Corporation. All rights reserved.