

# vtView<sup>®</sup> SSD Software

Analyze, qualify and monitor Virtium SSDs to improve reliability and longevity.

[vview.virtium.com](http://vview.virtium.com)

## Overview

Virtium's vtView<sup>®</sup> enables industrial embedded designers to view critical information about a Virtium SSD that will help estimate, understand and fine-tune it for maximum efficiency and product life. It works seamlessly with a broad range of Linux and Windows operating systems used in industrial-embedded application environments. vtView enables qualification of products faster with more accuracy using better data. This enables designers to balance reliability, longevity and cost for their specific use case - resulting in getting to market faster with the right solution.

## vtView Advantage

Feature	Virtium vtView	Industry
<b>Industrial-Embedded Support</b>	Tailored for industrial-embedded storage and all form factors, capacities and classes of Virtium SSDs.	Generic support focused on consumer or enterprise. Fewer form factors supported.
<b>Analysis</b>	Estimates life, usage and data retention at industrial temperatures and at power-off state. Analyzes cause and effect of workload changes over extended time frames for unsurpassed accuracy,	Estimates life based on single workload snapshots, resulting in much lower accuracy analysis.
<b>OS Support</b>	Supports 15 Windows and Linux OS's and growing. Can be used on resident drives in existing systems.	Some Windows and limited Linux support – must be used in separate non-resident PCs.
<b>SSD Qualification</b>	Supports quicker and easier qualifications by automating SSD analysis and providing the ability to compare several parameters, simultaneously in multiple SSDs.	Manual analysis requires data manipulation to get comparison information.
<b>API Access</b>	Simple and streamlined API engine available to create customized in-system SSD monitoring apps with minimal coding required. Developer section available on vtView site.	No or limited API access.

## SSD Usage and Analysis

Here's how vtView captures SSD usage:



Once the usage data is uploaded to the vtView Web App, you can learn the following:

### Remaining Life

vtView uses real-usage data to understand how long the SSD can last – with estimates on number of terabytes written (TBW) per day. Designers armed with this insight can alter their configurations to improve performance and endurance of their designs.

### Data Retention

vtView enables estimation of power-off data retention based on various storage temperatures. Also allows for printing of a label that includes a date stamp and is ideal for systems that may have a long shelf life from initialization to deployment and may also be beneficial in repair and distribution centers.



## vtView Developer Support

vtView's microsite includes a developer section that provides everything developers need to use vtView's API engine to build custom applications using simple commands. This enables customization for specific embedded design use cases and characteristics.

For more information, visit: [vtview.virtium.com](http://vtview.virtium.com)

Virtium manufactures memory and storage solutions for the world's top industrial embedded OEMs. For two decades we have designed, built and supported our products in the USA - fortified by a network of global locations. Our world-class technology and unsurpassed support provide a superior customer experience that continuously results in better industrial embedded products for our increasingly interconnected world.

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