# SYSmark 25 patch 1 v1.0.1.31 Release notes

**General Notes**:

- Supports Win 10 (64 bit)
- SYSmark 25 Reference Machine
    - Lenovo ThinkCentre M720q "Tiny"
    - CPU: 8th Generation Intel Core i5-8500T (2.10GHz, up to 3.50GHz with Turbo Boost, 9MB Cache)
    - Graphics: Intel HD 630
    - Resolution: 1920x1080
    - OS: Win 10 19H2 build 10.0.18363.418 (64-bit)
    - RAM: 1x8 GB
    - Storage: 256 GB NVMe SSD
- Included scenarios
    - Productivity (PR)
    - Creativity (CR)
    - Responsiveness (RE)
- Included PR applications
    - Adobe Acrobat DC Pro (v 15.010.20060)
    - Audacity (v 2.3.2)
    - AutoIT (v 3.3.14.5)
    - Corel WinZip 24.0 Enterprise
    - Google Chrome (v 81.0)
    - Microsoft Excel 2019 Professional Plus VL
    - Microsoft Outlook 2019 Professional Plus VL
    - Microsoft PowerPoint 2019 Professional Plus VL
    - Microsoft Word 2019 Professional Plus VL
    - Shotcut (v 19.09.14)
- Included CR applications
    - Adobe Lightroom Classic CC (v 8.4.1)
    - Adobe Photoshop CC (v 20.0.6)
    - Adobe Premiere Pro CC (v 13.1.5)
- Supported Languages
    - English
    - French
    - German
    - Japanese
    - Polish
    - Portuguese (Brazil)
    - Russian
    - Chinese (Simplified, China)
    - Spanish
- The Overall, PR, CR, and RE performance scores are reported in the results PDF and main GUI after a successfully completed run.
- Calibration score: 1000

- Recommended Minimum System Requirements
  - CPU: 2015 or newer x86 processor (Intel 6th Generation Core or AMD 7000 series APU)
  - RAM: 8 GB
  - HDD/SSD: 25GB of free space on the primary drive
  - Operating System: Microsoft® Windows® 10 64-bit version 1803 (RS4) or later
  - Resolution: 1280×800 or 1366×768
  - Graphics: DirectX 10 compatible, 2GB of VRAM

**New Features**

- Ability to extend support for new power meters using dynamic libraries
  - PowerMeter libraries will be detected and loaded at runtime and this patch includes libraries for WattsUp Pro and YokagawaWT310e power meters
  - Developers can add support for new power meter libraries by developing the API's confirming to Power Meter Interface
  - Energy charts showing power usage during $1^{st}$ Iteration of Productivity and Creativity Scenario will be reported in the Results PDF as shown in **Appendix A**
- Virtualization based security status (Enabled/Disabled) will be reported in PDF
- Shutdown the system at the end of benchmark run by launching the benchmark using command line option "`SYSmark25.exe -s`"
- Optional system configuration setting to set OpenMP KMP_BLOCKTIME variable to '0'. This variable specifies the number of milliseconds that the OpenMP based programs should wait after completing the execution of a parallel region before putting threads to sleep
- If an error occurs during benchmark run, the error will be logged into the results folder
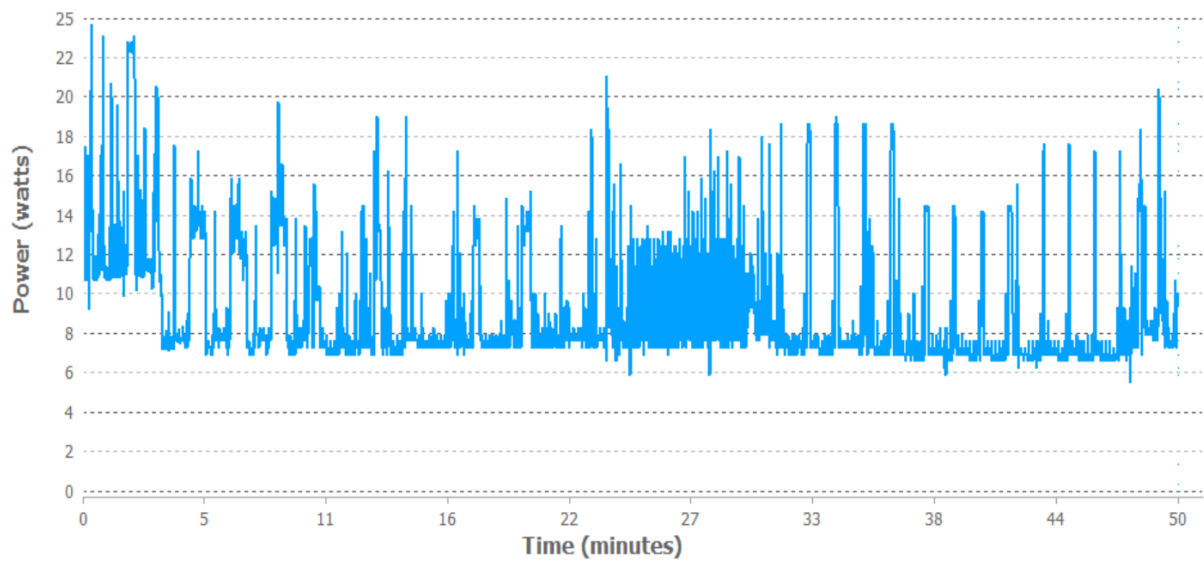
**Bug Fixes/Enhancements**

- Low scores with Windows 10 build 20H1 (19041.450)
  - Microsoft changed the ability to disable Windows Defender permanently as part of its KB4052623 update.
  - Fix: In addition to Windows Defender Antivirus, Disable Windows Security Center service. This fix may not work in future windows releases, as seen with 21H1 preview build, in which case the benchmark will not disable Windows Security Center. FDR will show status of both Windows Defender Antivirus and Windows Security Center.
- Non-English Language Support
  - Fixed runtime script errors to support 8 non-English languages.
  - If benchmark is unable to read required system information elements, user will be prompted to either continue or exit (default) the benchmark **Appendix B.**
- FDR will now report whether Hyper-V Virtualization is Enabled in firmware or hardware.
- View PDF and Help buttons to use 'Internet Explorer' for older windows versions (1803) and 'Microsoft Edge' browser on later windows versions.
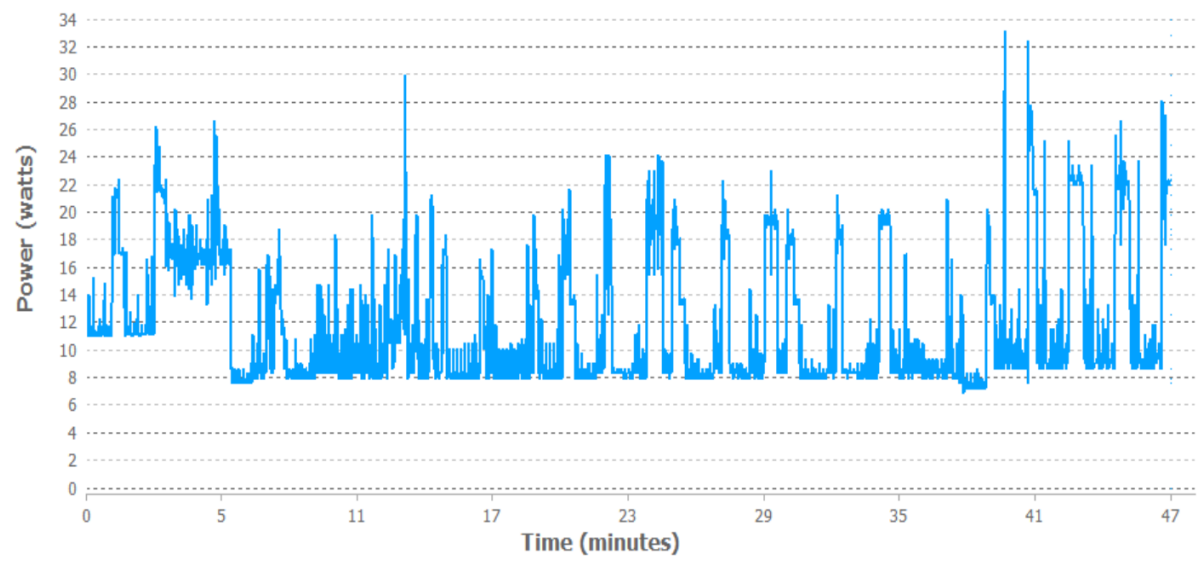
**Known issues**

- SYSmark 25 is usable for up to 30 days after installation due to Microsoft Office and Adobe Acrobat being limited to a 30-day trial period.
- On some Intel 10xx mobile CPU based laptops there are failures in the Premiere Pro VE workload. Workaround: Update to Windows 10 20H1.

# Appendix A: Energy Charts

## Productivity (Iteration 1)



## Creativity (Iteration 1)

**Appendix B: User prompt when benchmark fails to read system information.**



System Information Not Valid     ✕

⚠ Error reading system configuration information. Changing your system language may resolve this issue. If you choose to proceed, your results will be marked as invalid for submission.

Exiting in 158 seconds

[ Continue ]    [ Exit ]