

Software Evaluation Guide for WinZip* 14



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About this Document

This document is a guide measuring performance of the Intel® Processors on application software. The primary audience for this document includes individuals, publications, OEMs and technical analysts whose goal is to test or evaluate the performance benefits and features of the Intel® Processors. If there are questions that are not answered here on software application performance evaluation of the Intel® Processors, please contact your Intel representative.

Each software application test measures different aspects of processor and/or system performance. While no single numerical measurement can completely describe the performance of a complex device like a microprocessor or a personal computer, application tests can be useful tools for comparing different components and systems. The following results and procedures give a glimpse of the performance of certain software applications, however your own usage of each application may vary from what is shown here. The only totally accurate way to measure the performance of your system, is to test the actual software applications you use, in the way you use them, on your computer system. Test results published by Intel are measured on specific systems or components using specific hardware and software configurations, and any differences between those configurations (including software) and your configuration may make those results inapplicable to your component or system.

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Chapter 1

Processor Performance on WinZip* 14

1.0 Software Description

WinZip* 14 allows you to zip and unzip files to conserve storage space, speed up e-mail transmission, and reduce download times. WinZip* 14 also offers strong AES encryption for securing sensitive data, the ability to bundle files into convenient, compressed packages, and an automated data backup facility to prevent data loss.

The new WinZip* 14 is optimized to benefit from the new Intel® Advanced Encryption Standard instructions introduced in select Intel® Core™ family processors. The new AES instruction set improves the performance of the WinZip application when encryption and decryption features are used and reduces the time it takes to compress and decompress files.

1.1 Test Workflow/Workload Description

An amateur photographer wishes to create a photo archive of a recent vacation and share it with friends and family by posting it to a personal website. The photos should be accessible to the intended audience but protected from unauthorized viewing. The photographer uses WinZip to collect the photos into a single archive and adds password protection to prevent unauthorized access to the photos, thus protecting the privacy of friends in the pictures.

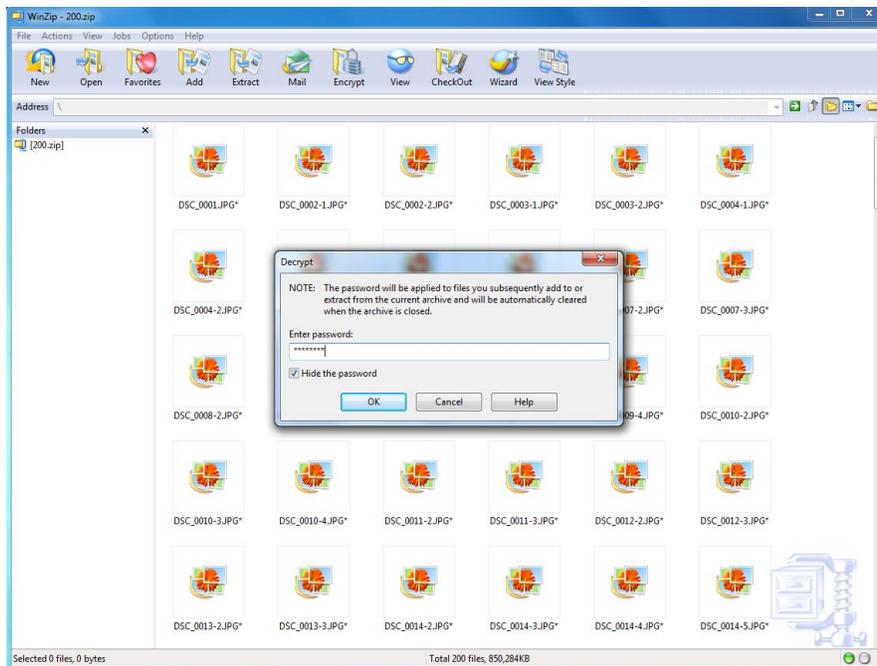
This test measures the time it takes to decompress and decrypt the photo archive which contains 200 photos, 125 of which are 10MP photos and 75 which are 6MP photos. The photos are in jpeg format and the total storage required is about 830MB.

Chapter 2

Procedure for Evaluating Performance WinZip* 14

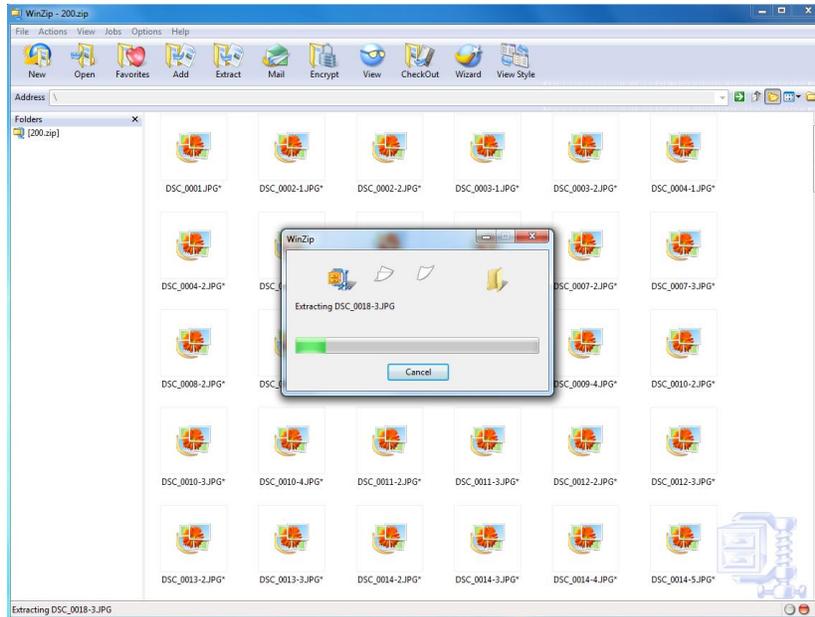
The following is a procedure for evaluating performance in the first portion of the workflow with WinZip* 14.

1. Purchase WinZip* 14 from www.winzip.com
2. Install WinZip with default installation settings.
3. Double-click the WinZip icon on your desktop to launch WinZip. A dialog box will appear asking you if you want to purchase the full version or use the evaluation version. Enter the Activation code if purchasing WinZip or click the button labeled Use Evaluation Version.
4. Click on the Open button to open an archive.
5. Navigate to the directory where the archive is located and select the archive by pressing Enter.
6. Do not enter a password.
7. Select all the contents of the archive and click on Extract to extract the contents.
8. Type in the password ("password") when prompted.



9. Simultaneously start the stopwatch and press OK.

10. Stop the stopwatch when the task bar has completed.



11. Record this as the time to complete the decompression section of the workflow.

12. Delete output directory and repeat steps 3-11 for a total of 5 runs. Take the median run as the result.