

Benchmarking Utilities and Cycling Utility

Benchmarking Utilities

- Two versions support 28F016XD and 28F016XS
- Compares performance/power/energy of Intel's Flash memory to alternative memory solutions

Cycling Utility

- Provides a quantitative profile of flash memory cycling through system lifetime
- Allows user to change system parameters to meet their unique needs

The Benchmarking Utilities are Windows*-based programs which allow the user to explore the performance enhancements and power savings of Fast Flash Memories, comparing the 28F016XD/28F016XS to alternative memory solutions. The utilities examine both read performance and power/energy consumption of a user-selectable memory solution and illustrates the capabilities of the 28F016XD/28F016XS in the same environment. Using input parameters for the system and processor, these utilities produce a comparison based on output parameters such as power consumption, read transfer rates, and wait-states. These utilities are available from Intel free of charge.

The Cycling Utility is a Windows-based program which allows the user to predict anticipated flash memory cycling over system lifetime. It assumes that writes are evenly spread among the available flash memory space (using Intel-or tool vendor-developed flash file systems and media managers). After inputting average file or object size, update frequency, available flash memory space and flash block size, the utility outputs the time (in days and years) to reach 100, 1,000, 10,000 and 100,000 cycles per block. This utility is available free of charge from Intel.

INTEL FLASH MEMORY SUPPORTED:

Benchmarking Utilities: 28F016XD, 28F016XS

Cycling Utility: 28F010, 28F001BX, 28F020, 28F002BC, 28F002BL, 28F002BV, 28F002BX, 28F200BL, 28F200BV, 28F200BX, 28F200CV, 28F004BE, 28F004BL, 28F004BV, 28F004BX, 28F004SC, 28F400BL, 28F400BV, 28F400BX, 28F400CE, 28F400CV, 28F008BE, 28F008BV, 28F008SA, 28F008SC, 28F800BV, 28F800CE, 28F800CV, 28F016SA, 28F016SC, 28F016SV, 28F016XD, 28F016XS, 28F032SA, Series 2 Cards, Series 2+ Cards, Value Series 100 Cards, Series 100 Miniature Cards

AVAILABILITY:

Now

CONTACT:

See Appendix C

