

Test Drive Report for Kingston DataTraveler II 512MB USB 2.0 Flash Drive

Model KUSBDTII/512 - Retail

The Kingston DataTraveler II 512MB is a USB Flash Drive product with incredible price-performance value.



Capacity That's Just Right

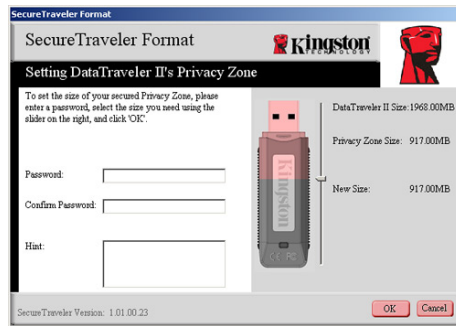
The 512MB capacity is actually adequate for most users. USB flash drives were created as data transfer mediums, not storage devices. Consider for a moment that a 512MB capacity can hold 130 MP3s (128kbps bit rate, 4 minute average length), or 240 four megapixel images, or hundreds, even thousands of text files...

High Read/Write Performance

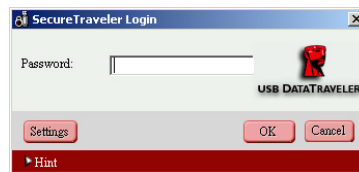
The Kingston DataTraveler II 512MB Flash Drive is capable of the maximum read and write speeds of 11MB/s and 7MB/s respectively. This level of performance allows the entire 512MB capacity to be written to in just 73 seconds. Retrieving the entire contents of the flash drive takes about 46 seconds. This means that most data transfer operations can be completed in the blink of an eye.

Data Protection

The Kingston DataTraveller II can be used as a standard hard drive when plugged into a computer. Using the SecureTraveler data protection program, users have the option of partitioning the flash drive into public and privacy partitions. After this step is completed, a user can place all important data in the privacy partition, which asks for the password defined at the time of setup when accessed. Without the proper password, all data in the privacy partition is off-limits.



SecureTraveler configuration panel



SecureTraveler login panel

Testing

So as to present the actual performance of Kingston DataTraveler II 512MB Flash Drive, we use Sisoft Sandra 2005 and ATTO Disk Benchmark 2.02 to test the product's read and write speeds in various settings.

| Sisoft Sandra 2005 | | | | | |
|--|------|------|-------|-------|-------|
| Removable Storage/Flash Benchmark Test | | | | | |
| | 512B | 32KB | 256KB | 2MB | 64MB |
| Read Speed (KB/S) | 490 | 7826 | 10095 | 10377 | 10923 |
| Write Speed (KB/S) | 10 | 1463 | 4941 | 5052 | 7646 |

| ATTO Disk Benchmark 2.02 | | | | | | |
|--------------------------|-------|-------|-------|-------|-------|--------|
| Total Length: 8MB | | | | | | |
| Transfer Size | 0.5KB | 1KB | 2KB | 4KB | 8KB | 16KB |
| Read Speed (KB/S) | 1028 | 2027 | 3265 | 5205 | 7220 | 8701 |
| Write Speed (KB/S) | 820 | 1425 | 2484 | 3751 | 5301 | 6657 |
| Transfer Size | 32KB | 64KB | 128KB | 256KB | 512KB | 1024KB |
| Read Speed (KB/S) | 9986 | 10640 | 10640 | 10640 | 10640 | 10640 |
| Write Speed (KB/S) | 7678 | 8388 | 8388 | 8388 | 8388 | 8388 |

Testing Platform

CPU: Intel Pentium 4 3.0GHz

Motherboard: ASUS P4C800-E

Memory: Kingston 256MB ValueRam DDR400 x2 (Dual channel)

VGA Card: Gainward 5700

HDD: Maxtor DiamondMax plus 9 120GB IDE