

# PRODUCT DISCONTINUED – FOR INFORMATION ONLY

KINGSTON DATA TRAVELER

[www.kingston.com/usb](http://www.kingston.com/usb)



## Kingston DataTraveler 2.0 Hi-Speed USB Memory

Products: KUSBHS2/128, KUSBHS2/256, KUSBHS2/512, KUSBHS2/1024

### Facts about USB 2.0

- All “USB 2.0” drives are not alike - many are not Hi-Speed like the KUSBHS2/256.
- Hi-Speed transfer rates can reach up to 480Mbit/sec – actual speed may be lower.
- The true transfer rate also depends on the device it will be used on.

Confusing labels: Many makers are touting USB 2.0, but they are not true Hi-Speed 2.0 (faster transfer rates). There are 3 basic classifications of USB:

- “Hi-Speed USB” 2.0: Up to 480Mbit/sec (60MBPS) (i.e. DataTraveler KUSBHS2/256)
- “Full Speed USB” (Some are labeled 1.1 or 2.0): Up to 12Mbit/sec (1.5MBPS)
- “USB” 1.1: Up to 1.5Mbit/sec (i.e. DataTraveler KUSB/256)

### Hi-Speed Advantage Over Full Speed or USB

- Hi-Speed can be up to 40X faster than “Full-Speed” and up to 320X faster than “USB”.
- Hi-Speed is fully backward-compatible through its USB 2.0 Full-Speed mode. (works on Low, Full and Hi-Speed devices)

### Comparison Chart (256MB)

Manufacturer	Part #	Product Naming	True Hi-Speed 2.0	Actual Speed*	Features	Warranty
Kingston	KUSBHS2/256	Hi-Speed USB 2.0	Yes	72Mb/s	Security Software	5 year
Lexar	JD256266	Hi-Speed USB 2.0	Yes	48Mb/s	None Stated	1 year
PNY	PFD256U2ORF	Hi-Speed USB 2.0	Yes	24Mb/s	None Stated	1 year
Sandisk	SDCZ2-256-768	Hi-Speed USB 2.0	Yes	26Mb/s	None Stated	1 year
Sony	USM-256U2//M2	Hi-Speed USB 2.0	Yes	40Mb/s	Security Software	1 year

\* Independent research based on SANDRA benchmark testing.

Note: Full speed and low speed USB are to be classified as “USB” (not USB 2.0) per the USB-IF Organization. The following terms are not sanctioned by the USB-IF and can be misleading:

- “USB 2.0 Full Speed”, “Full-Speed USB” or “USB 2.0” (not Hi-Speed, can run only up to 12Mbit/sec)



### Advantages of Kingston DataTraveler 2.0 Hi-Speed Over the Competition

- Fastest transfer rates (72Mb/s – see comparison chart)
- Read rate up to 9MB/sec: Write rate up to 7MB/sec
- Security Software included (TravelerSafe™) and Partitioning Software included
- Universal form factor, with a longer neck for hard to reach USB ports
- Larger capacities available: now in 512MB and 1GB
- 5 Year warranty vs competitor’s 1 year

### Additional Facts

- Devices without a USB 2.0 port cannot utilize Hi-Speed and will revert to 12Mbit/sec.
- Some devices with a USB 2.0 port cannot process the faster transfers (low-end printers)



Please note: Some of the listed capacity is used for formatting and other functions and thus is not available for data storage. For more information, please consult Kingston's Digital Media Guide at [www.kingston.com/Digital\\_Media\\_Guide](http://www.kingston.com/Digital_Media_Guide).

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