

SSD VS HDD

Characteristic	Hard Disk Drive (HDD)	Solid State Drive (SSD)
Sensitive to Magnets	Magnets will alter or destroy data	Magnet have no effect on data
Power Consumption	7 Watt average	2 Watt average
Time to Sign Up	Up to 2 seconds before HDD can read/write to drive	Instantaneous, able to read/write immediately
Read Speed (SATA)	Roughly 100MB/s, can very depending on level of fragmentation	Up to 250MB/s
Write Speed (SATA)	50-70MB/s, can very depending on level of fragmentation	Up to 250MB/s
Sensitivity to Shock	Very sensitive, hard drive heads and disks may break due to shock or vibration	SSD have no moving parts and are very resistant to shock and vibration