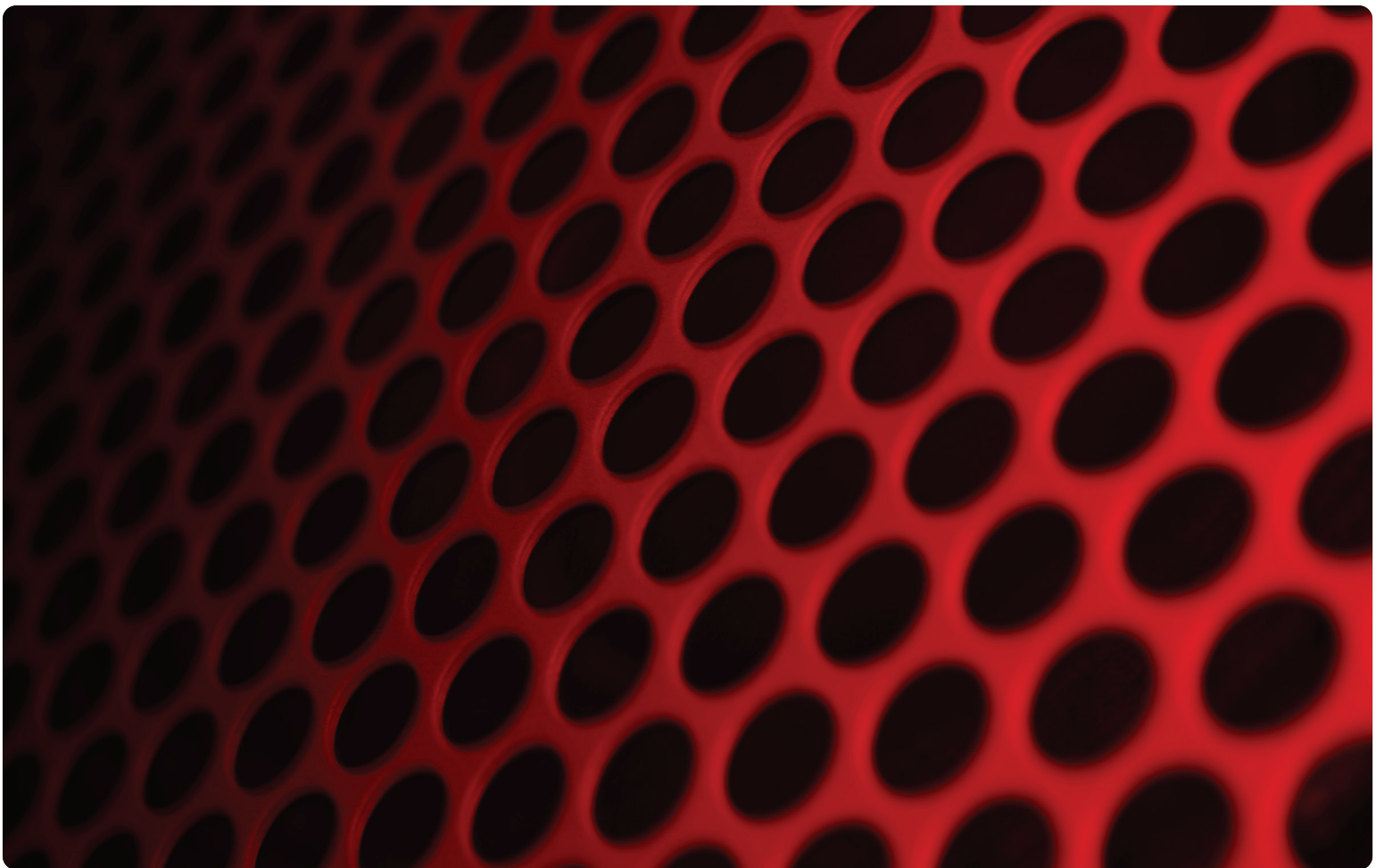


SMART Attribute Details

SATA Design-In SSD



SMART Attribute Details

Provides a detailed description of SMART Attribute support and how each may be used.

Kingston® SMART Attribute Details

ID	HEX	Attribute Name	Description
9	09	Power On Hours	This attribute is used for the hourly count of "power on" including idle and low power states.
12	0C	Power Cycle Count	This attribute counts power cycles, including unsafe power shutdowns.
167	A7	SSD Protect Mode	Normal : 00 , Write protect : FF
168	A8	SATA PHY Error Count	Counts the number of SATA PHY errors. This value includes all PHY error counts, ex data FIS CRC , code errors, disparity errors, command FIS crc. Value clears upon system power-down.
172	AC	Erase Fail Count	This attribute counts the number of NAND erase fails over the life of the drive.
173	AD	Max Erase Count	This attribute is used to count the max number of user area block erasures.
181	B5	Program Fail Count	This attribute is used to count the number of NAND program failure events over the life of the drive.
187	BB	Reported Uncorrectable Errors	This attribute counts the number of uncorrectable ECC errors reported by the drive.
192	C0	Unexpected Power Off Count	This attribute counts power off events (unsafe system shutdowns) without Cache Flush or Meta Data Flush.
194	C2	Temperature	"This attribute reports drive temperature. Raw Value Bytes [1-0]: Current Temperature (°C) [3-2]: Max (°C) [5-4]: Min (°C)"
196	C4	Total Later Bad Count	"Grown defect count. Initalized value should be 0. Excluding the grown defect found in RDT. By all dies"
218	DA	SATA CRC Error Count	This attribute counts CRC errors that have occurred on the SATA interface
231	E7	SSD Life Left	"This attribute provides an indication of the remaining life of the SSD based on the number of program/erase cycles Raw Value Bytes [1-0]: [1 - (Average Erase Count / NAND Rated Program/Erace Cycle)]*100"
233	E9	NAND Write	"This attribute indicates NAND writes in Gigabytes (GB) Raw Value Bytes [6-0]: NAND writes in GB"
241	F1	Host Write	"This attribute indicates Host writes in Gigabytes (GB) Raw Value Bytes [6-0]: Host writes in GB"

ID	HEX	Attribute Name	Description
242	F2	Host Read	"This attribute indicates Host reads in Gigabytes (GB) Raw Value Bytes [6-0]: Host reads in GB"
244	F4	Avg Erase Count	This attribute is used to count the average number of user area block erasures.
245	F5	Max Erase Count	This attribute is used to count the max number of user area block erasures.
246	F6	Total Erase Count	Total erase count in physical block unit

***Indicates that value will reset after power-cycle*