



				
Picture				
Model	2.5" SATA II 3Gb/s (Industrial Temperature)	2.5" SATA II 3Gb/s (Standard)	2.5" SATA III 6Gb/s (Premium)	2.5" SATA III 6Gb/s (Ultimate)
Interface(connector)	SATA (7+15-pin)	SATA (7+15-pin)	SATA (7+15-pin)	SATA (7+15-pin)
Form Factor	2.5"	2.5"	2.5"	2.5"
Flash Type	MLC(SLC is optional)	MLC, SLC	MLC	MLC
Capacity(GB)	8GB/ 16GB/ 32GB/ 64GB	8GB/ 16GB/ 32GB/ 64GB/ 128GB/ 256GB	64GB/ 128GB/ 256GB	64GB/ 128GB/ 256GB/ 512GB
Max. R/W Performance(MB/s)(Vary by density)	Read: 260MB/s, Write: 240MB/s	SSD630 -Read: 265MB/s, Write: 225MB/s SSD500 -Read: 260MB/s, Write: 240MB/s SSD25S-M -Read: 250MB/s, Write: 200MB/s SSD25S-S -Read: 140MB/s, Write: 110MB/s	Read: 560MB/s, Write: 530MB/s	Read: 560MB/s, Write: 540MB/s
Op. Voltage(V)	5V±5%	5V±5%	5V±5%	5V±5%
Power Consumption(W)	1.25W(Active), 0.8W(Idle)	SSD630: 2.85W(Active), 0.8W(Idle) SSD500, SSD25S: 4.05W(Active), 0.8W(Idle)	3.67W(Active), 0.55W(Idle)	4.6W(Active), 0.64W(Idle)
Op. Temp.(℃)	MLC: -25℃ ~ 85℃ SLC: -40℃ ~ 85℃	0℃ ~ 70℃	0℃ ~ 70℃	0℃ ~ 70℃
Storage Temp.(℃)	-40℃ ~ 85℃	-40℃ ~ 85℃	-40℃ ~ 85℃	-40℃ ~ 85℃
Humidity(%)	0%~95%	0%~95%	0%~95%	0%~95%
Shock(G)	1500G, 0.5ms	1500G, 0.5ms	1500G, 0.5ms	1500G, 0.5ms

Vibration(Hz/G)	3.0G (Peak-to-Peak), 5Hz to 800Hz(Frequency)	5.0G (Peak-to-Peak), 5Hz to 800Hz(Frequency)	3.0G (Peak-to-Peak), 5Hz to 800Hz(Frequency)	3.0G (Peak-to-Peak), 5Hz to 800Hz(Frequency)
Dimensions(mm)	100.3mm × 69.85mm × 9.5mm	SSD630: 99.8mm x 69.85mm x 7mm SSD500, SSD25S: 100.3mm × 69.85mm × 9.5mm	99.8mm × 69.8mm × 7.0mm	99.8mm × 69.8mm × 7.0mm
Weight(g)	66g	SSD630: 48g SSD500, SSD25S: 66g	95g	95g
MTBF(hours)	1,000,000 hours	1,000,000 hours	1,000,000 hours	1,000,000 hours