



KingSpec®

STORING POSSIBILITIES PROTECTING PASSIONS

MT-XXX Specifications



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MT-XXX Specifications

Item	Model Name	MT-XXX					
Overview	Dimensions	MSATA 52pin L50.95mm * W30.0mm * H3.5mm ±0.15mm					
	Interface	SATA Rev.3.2(6Gb/s)- with backwards compatibility to SATA Rev. 2.0 (3Gb/s)					
	Support OS	Windows 7,Windows 8.1,Windows 10, DOS, Linux,Unix					
Performance	Capacity	64GB	128GB	256GB	512GB	1TB	2TB
	NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND
	Seq. Read(MB/s)	300~350	450~500	500~550	510~560	510~560	510~560
	Seq. Write(MB/s)	150~200	400~450	450~500	480~530	480~530	480~530
	TBW	30TB	60TB	120TB	240TB	480TB	960TB
	Random 4k Read IOPS	97100(2TB)					
	Random 4k Write IOPS	71100(2TB)					
	Random Acc. time	0.03ms(2TB)					
Electrical	Input Voltage	DC 3.3V±5%					
	Idle Mode(W)	0.7W(2TB)					
	Max (W)	1.6W(2TB)					
Reliability	Read endurance	Infinite					
	Data Retention	10year @ 25℃					
	MTBF	1million hours					
	ECC	4K LDPC					
	Function	Automated Bad Block Management					
Environment	Option Temperature	0~+70℃					
	Storage Temperature	-20~+75℃					
	Humidity	5-95%					
Warranty	Limited 3-year warranty with free technical support						
Certification	CE, ROHS, FCC, REACH						
Status	MP	NO EOL					