



KingSpec®

STORING POSSIBILITIES PROTECTING PASSIONS

V5-XXX Specifications



SHENZHEN KINGSPEC ELECTRONICS TECHNOLOGY CO., LTD.

Office: 2001, Block C, Minzhi Joint Stock Commercial Center, North Station Community, Minzhi Street, Longhua District, Shenzhen, China, 518000

Factory: Factory 901, Building 1, Precision Intelligent Manufacturing Building, 8 Jianyou Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China, 518000

Tel: 400-7799-771

Website: www.kingspec.com

V5-XXX Specifications

Item	Model Name	V5-XXX					
Overview	Dimensions	2.5inch (L100.4mm) * (W70.0mm) * (H7.0mm) ±0.15mm					
	Interface	SATA 7+15PIN 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	128GB	256GB	512GB	1TB	2TB	4TB
	NAND Flash	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND	3D NAND
	Seq. Read (MB/s)	450~500	500~550	510~560	510~560	510~560	480~520
	Seq. Write (MB/s)	450~500	470~520	480~530	480~530	480~530	450~500
	TBW	60TB	125TB	250TB	500TB	1000TB	2000TB
	Random 4k Read IOPS	65K (4TB)					
	Random 4k Write IOPS	70K (4TB)					
	Random Acc. time	0.042ms (4TB)					
Electrical	Input Voltage	DC 5V±5%					
	Idle Mode (W)	0.41W (4TB)					
	Max (W)	1.85W (4TB)					
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					