



Machine Tools Solutions

M.2 2280 for Machine Tools CONTROLLERS



What you do

- Use machines surrounded by cutting oil
- Worry about system & data corruption under power fault

What we offer

- M.2 2280 with our conformal coating
- M.2 2280 with power failure protection

Product lines

Product	M.2 2280								M.2 2242					
	H Series	SN8S Series		RN8S Series		HN8S Series		SN4S Series		RN4S Series		HN4S Series		
NAND	SLC 24nm	3D TLC		3D MLC mode		3D SLC mode		3D TLC		3D MLC mode		3D SLC mode		
Capacity	4GB - 128GB	60GB - 960GB		40GB - 640GB		20GB - 320GB		60GB - 240GB		40GB - 320GB		20GB - 160GB		
Temperature	STD	STD	Wide	STD	Wide	STD	Wide	STD	Wide	STD	Wide	STD	Wide	
	0 to 70°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C	
Part Number	HFDM8S-xxxGD(A* *AE)	SN8S-xxxGP** SN	SN8S-xxxGP** JI	RN8S-xxxGP* *SN	RN8S-xxxGP* *JI	HN8S-xxxGP* *SN	HN8S-xxxGP* *JI	SN4S-xxxGP* *SN	SN4S-xxxGP* *JI	RN4S-xxxGP* *SN	RN4S-xxxGP* *JI	HN4S-xxxGP* *SN	HN4S-xxxGP* *JI	
Part Number (SLC Cache Off Ver.)	-	SN8S-xxxGF** SN	SN8S-xxxGF** JI	RN8S-xxxGF* *SN	RN8S-xxxGF* *JI	-	-	SN4S-xxxGF* *SN	SN4S-xxxGF* *JI	RN4S-xxxGF* *SN	RN4S-xxxGF* *JI	-	-	
Interface	SATA 6.0Gbps								SATA 6.0Gbps					
Operating Voltage	3.3V±5%								3.3V±5%					
Dimensions(mm)	22(W)x 80(L) x 3.85(H)								22(W)x 42(L) x 3.85(H)					
Transfer Speed (Typ.) Sequential Read/Write MB/s	16GB	R:420, W:160	-	-	-	-	-	-	-	-	-	-	-	
	20GB	-	-	-	-	-	T.B.D.	T.B.D.	-	-	-	R:265, W:190	R:265, W:190	
	30GB	-	-	-	-	-	-	-	-	-	-	-	-	
	32GB	R:465, W:310	-	-	-	-	-	-	-	-	-	-	-	
	40GB	-	-	-	T.B.D.	T.B.D.	T.B.D.	T.B.D.	-	-	R:265, W:185	R:265, W:185	R:495, W:320	R:490, W:320
	60GB	-	T.B.D.	T.B.D.	-	-	-	-	R:265, W:190	R:265, W:185	-	-	-	-
	64GB	R:465, W:340	-	-	-	-	-	-	-	-	-	-	-	-
	80GB	-	-	-	T.B.D.	T.B.D.	T.B.D.	T.B.D.	-	-	R:515, W:315	R:515, W:315	R:500, W:380	R:495, W:375
	120GB	-	T.B.D.	T.B.D.	-	-	-	-	R:515, W:315	R:515, W:310	-	-	-	-
	128GB	R:470, W:350	-	-	-	-	-	-	-	-	-	-	-	-
	160GB	-	-	-	T.B.D.	T.B.D.	T.B.D.	T.B.D.	-	-	R:520, W:375	R:520, W:370	R:500, W:430	R:500, W:430
	240GB	-	T.B.D.	T.B.D.	-	-	-	-	R:520, W:375	R:520, W:375	-	-	-	-
	320GB	-	-	-	T.B.D.	T.B.D.	T.B.D.	T.B.D.	-	-	R:520, W:435	R:520, W:435	-	-
	480GB	-	T.B.D.	T.B.D.	-	-	-	-	-	-	-	-	-	-
640GB	-	-	-	T.B.D.	T.B.D.	-	-	-	-	-	-	-	-	
960GB	-	T.B.D.	T.B.D.	-	-	-	-	-	-	-	-	-	-	

*1: Power Loss Guard detects a power-off signal from the host and stops NAND Flash Access to prevent data corruption.

*2: VFW (Virtual Write Filter) prevents systems & data corruption under power fault. Our VWFTool software is required to enable/ disable VFW function.



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