



Model

Industrial SD H1-M

Industrial SD H1-SL

Model	Industrial SD H1-M	Industrial SD H1-SL
Interface	SD 3.0	SD 3.0
Connector	-	-
Form Factor	SD	SD
Operation Mode	-	NULL
Transfer Mode	-	NULL
NAND Flash Type	MLC	MLC
Capacity	SDHC:4GB~128GB	SDHC:4GB~64B
External DRAM	-	-
Sequential Read Performance (MB/sec)	Up to 43	Up to 43
Sequential Write Performance (MB/sec)	Up to 30	Up to 40
ECC Engine	Built-in 42-bit per 1K bytes BCH ECC	Built-in 42-bit per 1K bytes BCH ECC
IOPS (4K Random Write)	-	-
Standard Operating Temperature ( °C )	-25 ~ + 85	-25 ~ + 85
Extended Operating Temperature ( °C )	-40 ~ + 85	-40 ~ + 85
Storage Temperature ( °C )	-40 ~ + 85	-40 ~ + 85
Housing	-	-
H/W Write Protect	-	-
Screw Hole	-	-
Cable-less Solution	-	-
Thermal Sensor	-	-
Shock	(Operating)1,500G, 0.5ms	(Operating)1,500G, 0.5ms
Vibration	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
Operating Voltage	2.7V ~ 3.6V	2.7V ~ 3.6V

Power Consumption	Active mode: 145 mA & Idle mode: 235 uA	Active mode: 145 mA & Idle mode: 240 uA
Dimension (L x W x H)	32x24x2.1 (mm)	32x24x2.1 (mm)
MTBF (hours)	>3,000,000	>3,000,000
Humidity	-	-
Featured Technology	Content Pre-load / Erase / SLC-lite / S.M.A. R.T. / Wide Temperature / Write Protect	Content Pre-load / Page Mapping / SLC-lite / S.M.A.R.T. / Wide Temperature / Write Prote ct
Recommended Application	Defense / Gaming / Healthcare / Server & N etworking / Transportation	Gaming / Healthcare / Server & Networking / Transportation