

Product Specifications

Flash Type		Q-MLC	SLC
Capacity		4GB ~ 64GB	4GB ~ 64GB
Temperature	0 ~ 70°C	Yes	Yes
	-25 ~ 85°C	Yes	-
	-40 ~ 85°C	-	Yes
Interface		SATA 3.0Gbps	
Power Supply Voltage		3.3V +/- 10%	
Dimensions (mm)		36.4 x 42.8 x 3.6	
Performance	4GB	R: 140MB/s, W: 70MB/s	R: 130MB/s, W: 50MB/s
	8GB	R: 150MB/s, W: 100MB/s	R: 140MB/s, W: 95MB/s
	16GB	R: 200MB/s, W: 130MB/s	R: 150MB/s, W: 75MB/s
	32GB	R: 200MB/s, W: 150MB/s	R: 160MB/s, W: 120MB/s
	64GB	R: 200MB/s, W: 150MB/s	R: 160MB/s, W: 120MB/s

Part Number

		4GB	8GB	16GB	32GB	64GB
SLC	0 ~ 70°C	HFD10S-004GB (xxxAE)	HFD10S-008GC (xxxAE)	HFD10S-016GB (xxxAE)	HFD10S-032GB (xxxAE)	HFD10S-064GB (xxxAE)
	-40 ~ 85°C	HFD10S-004GB (xxxAEI)	HFD10S-008GB (xxxAEI)	HFD10S-016GB (xxxAEI)	HFD10S-032GB (xxxAEI)	HFD10S-064GB (xxxAEI)
Q-MLC	0 ~ 70°C	XFD10S-004GC (xxxAG)	XFD10S-008GC (xxxAG)	XFD10S-016GC (xxxAG)	XFD10S-032GC (xxxAG)	XFD10S-064GC (xxxAG)
	-25 ~ 85°C	XFD10S-004GC (xxxAGS)	XFD10S-008GC (xxxAGS)	XFD10S-016GC (xxxAGS)	XFD10S-032GC (xxxAGS)	XFD10S-064GC (xxxAGS)

SLC/Q-MLC/MLC comparison

	SLC	Q-MLC	MLC (not available)
bit/cell	1bit/cell	1bit/cell (MLC)	2bit/cell
Endurance (PE Cycle)	60,000	20,000	2000
Data Retention (<10% PE Cycle)	10 year	5 year	5 year
Designed for	Highest Reliability and Longevity in extreme condition	High Reliability and Performance	High Performance with affordable cost
Cost	\$\$\$	\$\$	\$

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