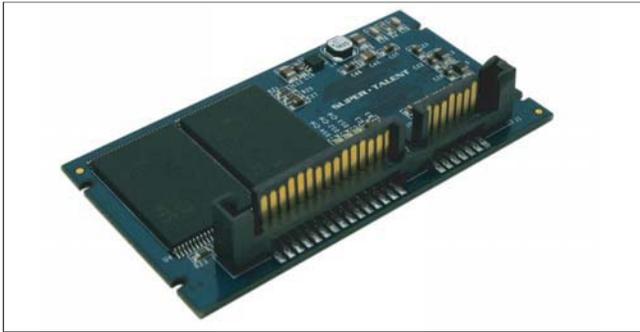


## Flash Disk Module (FDM)

### Horizontal 22-pin SATA



22-pin Horizontal Mount FDM

Super Talent's Flash Disk Modules (FDMs) provide non-volatile storage in a compact design, making a perfect fit for embedded applications. This FDM model mounts horizontally to fit into very low profile enclosures. The industry standard 22-pin SATA 3GBps interface is compatible with countless motherboards. It is available with either MLC or SLC flash. While typical spinning hard disk drives are the weakest point when it comes to withstanding extremes, FDM's are an asset and ideal to use in severe environments.

Other benefits of FDMs are that they are rugged, lightweight, silent, and have low power consumption. Features include:

- MLC or SLC NAND Flash options
- Platform Independence
- Fast Time to Market - No Driver Required
- 4GB - 128GB capacities
- Standard SATA-II 3Gbps interface

### Physical Specifications

Mounting	Horizontal, only 10.6mm tall
Capacity*	4GB - 128GB
Dimension	55.2 x 30.0 x 10.6 mm
Interface	SATA-II 3Gb/s
NAND Flash	MLC / SLC
Power Supply	5V ± 10%

### Environmental Specifications

Operating Shock	1500G
Operating Vibration	16G
Operating Temperature	0C to +70C
Operating Humidity	5 to 90%

### Endurance Specifications

Data Reliability	Built-in EDC/ECC function
Data Integrity	5 years
Wear Leveling Algor.	Patent Pending
Bad bit management built-in	

### Performance Specifications

	MLC	SLC
Seq. Read (max)	150 MB/sec	165 MB/sec
Seq. Write (max)	80 MB/sec	125 MB/sec
Access Time	1ms	1ms

### OEM Ordering Information

	Flash	Part Number
4GB	SLC	SM4GA552H
8GB	SLC	SM8GA552H
16GB	SLC	SM16A652H
8GB	MLC	SM8GN752H
16GB	MLC	SM16N752H
32GB	MLC	SM32N752H
64GB	MLC	SM64N852H
128GB	MLC	SM28N952H