



Industrial Embedded Technology for an Interconnected World

Contact us at: sales@virtium.com | Visit us at: www.virtium.com

➤ **Our Purpose:**

We design and manufacture memory and storage solutions for industrial embedded systems worldwide.

➤ **Our Mission:**









To make memory and storage faster and more reliable for our interconnected world.



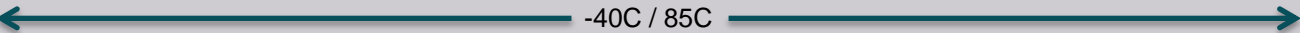
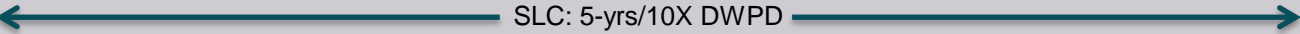
- Founded:** 1997, Privately Held, Bootstrapped by Co-founders
- Corporate Headquarters and Manufacturing:** Southern California, USA
- Design Centers:** California and Vietnam
- Employees:** 105, US (75), Vietnam (30)
- Sales Operations:** US, Germany, China, Japan
- Distributors and Representative Networks:** Arrow Electronics and Worldwide Representatives

StorFly® SATA SSDs



Format:	2.5"	1.8"	M.2	Slim SATA	mSATA	CFast
Applications	Boot, data logging, caching	Boot, data logging, caching	Boot, data logging, caching, backup	Boot, data logging, metadata backup	Boot data logging	Boot data logging
Key Features	Drop-in HDD replacement, power-fail protection	Hi-capacity in 5mm thin frame, power-fail protection	Small footprint, low power, power-fail protection	Standard 22-pin SATA connector, low power, power-fail protection	Small footprint, low power, power-fail protection	ESD protection, low power, power-fail protection
Interface	 6Gb, SATA-III 					
Capacities	SLC: 8GB – 128GB MLC: 30GB – 480GB	SLC: 8GB – 128GB MLC: 30GB – 480GB	SLC: 8GB – 128GB MLC: 30GB – 480GB	SLC: 8GB – 256GB MLC: 30GB – 480GB	SLC: 8GB – 256GB MLC: 30GB – 480GB	SLC: 8GB – 128GB MLC: 30GB – 240GB
Performance (MB/s, read/write)	 Max throughput: 500 / 400 Max IOPs: 64K / 5K 					
Voltage/Power	5V or 3.3V / 1.7W	3.3V / 1.7W	3.3V / 1.7W	5V or 3.3V / 1.7W	3.3V / 1.7W	3.3V / 1.7W
Operating Temperature	 SLC: -40C / 85C MLC: 0 / 70C 					
Dimensions (L x W x H, mm)	69.85 x 100.5 x 7 (9.5)	42.8 x 36.4 x 3.3	42.15 x 22.15 x 3.65 (2242) 80.15 x 22.15 x 3.65 (2280)	54 x 39 x 4.8	50.8 x 29.8 x 4.8	42.8 x 36.4 x 3.3
Warranty	 SLC: 5-yrs/10X DWPD MLC: 3-yrs/1X DWPD 					



Format:	Compact Flash	USB Module	USB Key
Applications	Boot, data logging, caching	Boot, data logging, caching, backup	Boot, data logging
Key Features	Drop-in HDD replacement, power-fail protection	Small footprint, low power, power-fail protection	ESD protection, low power, power-fail protection
Interface	PATA, UDMA-4	USB 2.0 / 10-pin (2.54.2.00mm)	USB 2.0
Capacities	128MB – 32GB	2GB – 64GB	8GB – 64GB
Performance (MB/s, read/write)	Max throughput: 50 / 26	Max thruput (2GB): 25 / 16.5 Max thruput (4GB): 27 / 16.5 Max thruput (8/16/32/64GB): 34 / 21	Max thruput (USB 2.0): 34 / 21 Max thruput (USB 3.0): 160 / 125
Voltage/Power	3.3/5V / 0.9W	340 mW (3.3V) / 585 mW (5V)	5V / 585W
Operating Temperature	 -40C / 85C		
Dimensions (L x W x H, mm)	42.8 x 36.4 x 3.3	42.8 x 36.4 x 3.3	42.15 x 22.15 x 3.65 (2242) 80.15 x 22.15 x 3.65 (2280)
Warranty	 SLC: 5-yrs/10X DWPD		

Virtium's comprehensive software suite provides everything needed to maintain a healthy StorFly SATA SSD

vtView™

Provides detailed StorFly SSD data and graphical info

Beta

vtTune™

Fine-tuning tools for StorFly SSDs

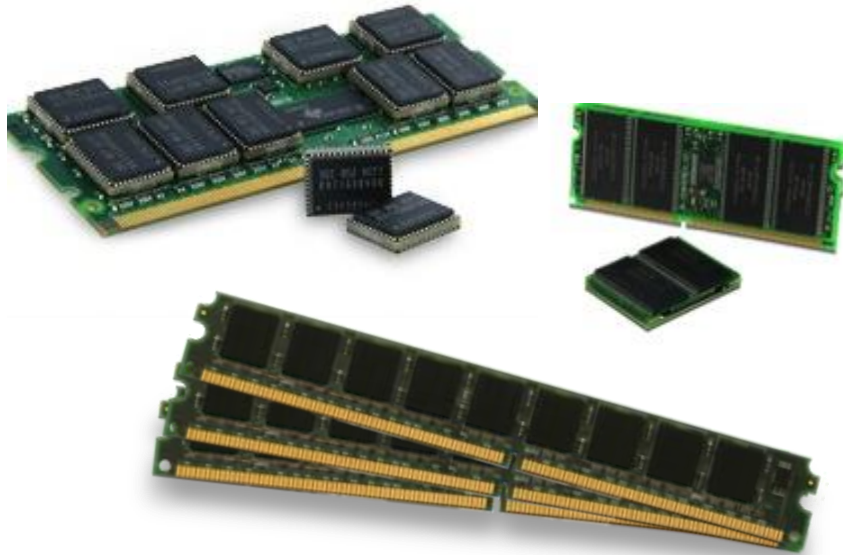
Q1 2015

vtGuard™

StorFly SSD data protection and recovery due to power loss

vtSecure™

Security through hardware, software and passwords for StorFly SSDs



Virtium Memory Features

- Industrial and extended temperatures
- Ultra and Very Low Profile (ULP/ VLP)
- Samsung DDR3/DDR4 RDIMM and UDIMM
- Under-fill and conformal coating
- Low power specs
- TDBI and other advanced screening technology

Memory Modules

- DDR4
- DDR3/3L
- DDR2
- DDR
- SDRAM



Advanced Modules

- VLP/ULP-DIMM
- SO-DIMM
- Mini-DIMM
- Low power DDR3L
- Extended Temp
- Rugged



Advanced Components

- DDP and Stacked Chips
- BGA and TSOP
- TwinRAM
- VerticalRAM