

Super Talent - OEM Solution Provider

Headquartered in the heart of Silicon Valley, Super Talent provides OEM Customers a competitive advantage by enabling them to outsource the design, layout, manufacturing and qualification processes. Our ultimate goal is provide innovative solutions, decrease your time to market and reduce costs.



Design

Super Talent designs are produced by a talented team of Silicon Valley engineers to satisfy most of the customers data storage needs.



Manufacturing

Super Talent uses state-of-the-art ISO 9001 certified technical equipment and leading-edge components to manufacture it's memory products.



Testing

All Super Talent products are rigorously tested for quality within our own labs and then tested and approved by top motherboard manufacturers and other industry partners to assure compatibility.



Logistics

Super Talent logistics services are very flexible to meet various customer needs that include retail and bulk packaging, procurement, inventory management, transportation, and more.

SUPER TALENT LOCATIONS INCLUDE:

- San Jose
- Los Angeles
- Chicago
- New Jersey
- Georgia
- Miami
- Brazil
- Europe
- Shenzhen & Guang Zhou
- Wuhan
- Taiwan
- Hong Kong
- Japan
- Mexico

- ⊛ Headquarters
- ⊙ Sales Representative
- ⊗ Sales, Warehouse
- ◆ Sales, Purchasing
- Factory



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SUPER★TALENT®
THE BEST MEMORY

www.supertalent.com

Industrial Storage Solutions

Solid State Drives

- RAIDDrive
- TeraDrive SAS
- TeraDrive
- UltraDrive
- DuraDrive
- VSSD
- Netbook SSD
- CoreStore
- FDM

USB 3.0 Drives

- Memory Modules
- CF Cards



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Solid State Drives

Enterprise Server	Laptop/Desktop	Industrial/Military/ Embedded
Server, Workstation, Extreme Performance	High Performance Storage	Military, Aerospace, Industrial, Medical, Embedded Systems
- RAIDDrive - TeraDrive SAS - TeraDrive	- UltraDrive - DuraDrive - VSSD - Netbook SSD	- DuraDrive - CoreStore - FDM

Enterprise Server

RAIDDrive SSDs

Built for the Enterprise server, our RAIDDrive SSD increases application performance and reduces latency by providing unparalleled bandwidth of up to 4GB/s. Designed to fit into a low profile server, the SuperTalent RAIDDrive can simplify your IT infrastructure while reducing operating and capital costs.

Specification	RAIDDrive R2S	RAIDDrive GS
Interface	PCIe x8(gen2)	PCIe x8
Controller	LSI ROC 2108	Intel IOP 348
Form Factor	PCIe Card	PCIe Card
Capacities	500GB, 1TB, 2TB	256GB - 2TB
NAND Flash	MLC	MLC
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	2400/2200
RAID Level Support	0/5	0/5
RAID Cache Size	1GB	512MB
Number of Port	8 port	4/8 (with Expander)
Battery Backup	Optional	Optional
MTBF	>1,500,000 hrs	>1,500,000 hrs
Dimension	mm	mm
Part Number	R2Sxxxx	RGSxxxx

* Based on CrystalDiskMark v.3.0 and Asus P6T Motherboard. Performance may vary. Usable capacity is less than specified after formatting. Windows is a registered trademark of Microsoft.



RAIDDrive R2S

- PCIe x8 (Gen2) host interface
- Burst Speed (max) : Read 2.4GB/s, Write 2.2GB/s
- Capacities up to 2TB
- Support 150K IOPS



RAIDDrive GS

- PCIe x8 link host interface
- Burst Speed (max) : Read 1.4GB/s, Write 1.2GB/s
- Capacities up to 2TB
- Support 140K IOPS

TeraDrive SAS

TeraDrive SAS is an SSD designed for the Data Center and Server Market. The TeraDrive SAS supports the new SAS interface which offers: more reliably, higher signal integrity and support for longer cable lengths.



Features

- Ultimate Reliability
- Best for Enterprise Data Center
- 2 Full Duplex SAS Interface Port
- Capacity up to 400GB

Specification	TeraDrive SAS
Interface	2 full duplex SAS 6Gb/s
Form Factor	2.5"
Capacities	100GB - 400GB
NAND Flash	SLC/MLC ONFI2
Performance	Access Time
	Read/Write (MB/sec)
Data Cache	No
Supporting Sector Size (Byte)	512 / 520 / 524 / 528
Super Cap	Yes
MTBF	>1,000,000 hrs
Dimension	mm
Warranty	2 years (MLC), 3 years (SLC)
Part Number	SExxxxx25S

TeraDrive SSDs (SATA III)

The TeraDrive™ line is our Enterprise offering. Exclusively featuring SandForce™ controllers, the TeraDrive represents the pinnacle of performance in Enterprise storage. Designed to deliver exceptional performance, the TeraDrive line also features state of the art algorithms to increase reliability and reduce performance degradation over time. Supporting up to 50,000 IOPS, the TeraDrive is ideal for database servers.



Features

- Impressively fast Random R/W Speeds
- Up to 500 Read, 500 Write (MB/sec)
- Capacities up to 480GB

Specification	TeraDrive FT3	TeraDrive CT3
Controller	SandForce 25xx	SandForce 22xx
Form Factor	2.5"	2.5"
Capacities	50,100, 200, 400GB	60, 120, 240, 480GB
NAND Flash	MLC/SLC (ONFi2)	MLC (ONFi2)
Super Cap	Yes	No
Internal Cache Size	N/A	N/A
Reliability	MTBF	>1,000,000 hrs
		>1,000,000 hrs
Dimension	mm	69.85 x 100.2 x 9.5
		69.85 x 100.2 x 9.5
Warranty	MLC	2 years
	SLC	3 years
Part Number	MLC	FTMxxF325H
	SLC	FTDxxF325H

Laptop/Desktop

Garbage Collection and TRIM Support



Garbage Collection is an odd term for a feature that will keep your SSD drive running at optimum performance throughout its life and Trim is its close companion. Both features run in the background, seeking out invalid blocks of data and preparing them to be written to both quickly and efficiently. While Trim requires Operating System awareness and currently only works with Windows 7, Windows Server 2008 RC2, Linux (kernel 2.6.33+). Garbage collection does not require OS participation and will work with everything from XP, Vista, Linux, Macintosh, you name it. All of our 2.5" SSDs support both Garbage Collection and Trim to keep your drive running at its best.



TRIM is an operating system feature in which the OS will pass down commands to an SSD controller to erase deleted pages from the SSD. When the TRIM command is enabled, it will execute automatically in the background to always keep the SSD performing like new. TRIM is generally the best method for maintaining SSD performance because it is built into the OS and happens automatically. TRIM is supported by Windows® 7 and Windows Server 2008 R2. It will be integrated into Linux in the near future. Other operating systems do not support TRIM.

UltraDrive SSDs

UltraDrive™ series SSDs are perfect SSD for the workstation. Designed to strike a balance between performance and price, the UltraDrive products often represent our best value. Featuring advanced error correction, wear leveling, bad block management technologies and Trim, each UltraDrive is designed and tested to offer performance, endurance and reliability.



Features

- Impressively fast Random R/W Speeds
- Up to 250 Read, 180 Write (MB/sec)
- Capacities up to 480GB

Specification	UltraDrive MX2
Interface	SATA II, mini-USB connection
Form Factor	2.5 "
Capacities	60GB - 480GB
NAND Flash	MLC/SLC
Performance	Access Time
	Read/Write (MB/sec)
Internal Cache Size	64MB
Power Supply	5V ± 5%
Environment	Vibration
	Shock
	Op Temperature
Reliability	MTBF
Noise	Active
Dimension	mm
Warranty	MLC
	SLC
Part Number	MLC
	SLC

Specifications subject to change without notice. Usable capacity is less than specified after formatting. Actual performance varies. * US Patents #7,243,185; 7,301,776; 7,318,117.

DuraDrive SSDs

*Military, Industrial- Temp, Secure Erase supported.



DuraDrive AT2



DuraDrive ET2

Super talent is proud to say our industrial grade DuraDrive line has been military recommended, tested and approved. These SSDs have far better shock and vibration resistance, support broader operating temperature and altitude ranges, and use a fraction as much power compared to hard disk drives.

Specification		DuraDrive AT2	DuraDrive ET2	DuraDrive AT3
Interface		SATA II	IDE/PATA	SATA II
Form Factor		2.5"	2.5"	2.5"
Capacities	MLC	32GB - 256GB	32GB - 256GB	32GB - 256GB
	SLC	16GB - 128GB	16GB - 128GB	16GB - 128GB
NAND Flash		SLC/MLC	SLC/MLC	SLC/MLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	125/110	125/110	250/180
Dimension	mm	69.9 x 100.2 x 9.5	69.9 x 100.2 x 9.5	69.9 x 100.2 x 9.5
Warranty	MLC	2 years	2 years	2 years
	SLC	3 years	3 years	3 years
Part Number	MLC	FTMxxGW25x	FHMxxGW25x	FTMxxG825x
	SLC	FTDxxGW25x	FHDxxGW25x	FTDxxG825x

VSSD

Super Talent VSSD brings performance and solid-state technology together at an incredible price. Available in capacity of 8GB to 64GB, Super Talent provides customers options to entering SSD world with limit budget, but no compromise in the performance.



Specification	Value SSD	
Interface	SATA II	
Form Factor	2.5 "	
Capacities	8GB - 64GB	
NAND Flash		
	MLC	
Performance	Access Time	0.1ms
	8GB R/W (MB/s)	90/30
	16GB R/W (MB/s)	90/30
	32GB R/W (MB/s)	150/60
	64GB R/W (MB/s)	150/100
Power Supply	5V ± 5%	
Environment	Vibration	16G
	Shock	1500G
	OP temperature	0°C ~ 70°C
Reliability	MTBF	>1,000,000 hrs
Dimension	mm	69.9 x 100.2 x 9.5
Warranty		2 years
Part Number		FTMxxGL25V

Netbook SSDs

Super Talent produces a selection of SSDs designed specifically to upgrade popular netbook models. Upgrading the SSD in a netbook is the fastest, easiest and most economical way to boost performance and get more utility from the netbook.

Specification	Mini PCIe GW	Half Mini PCIe GW	SATA Mini 2 PCIe	mSATA (MO-300B)	1.3" IDE ZIF	Half Mini 2 PCIe
Interface	IDE/PATA	IDE/PATA	SATA II	SATA II	IDE/ZIF	IDE/PATA
Form Factor	Mini PCIe	Half Mini PCIe	Mini PCIe	mSATA	1.3" ZIF	Half Mini PCIe
Capacities	MLC	16GB-64GB	16GB-64GB	16GB-32GB	8GB-64GB	16GB-32GB
	SLC	N/A	N/A	16GB-32GB	N/A	8-16GB(SLC)
NAND Flash		MLC	MLC	MLC/SLC	MLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	115/50	110/40	150/100	80/40	80/40
	Read/Write (MB/sec)	N/A	N/A	170/130	N/A	80/60
Netbook Compatibility		Asus Eee PC 70x, 90x, 1000	Dell Inspiron	Asus Eee PC 900, 900A, 901, S101	JEDEC MO-300B compatible	Acer Aspire 1
Dimension	mm	32.1 x 69.5	30 x 51	32.1 x 69.5	29.85 x 50.8	32.1 x 54.1
Warranty	MLC	2 years	2 years	2 years	2 years	2 years
	SLC	N/A	N/A	3 years	N/A	3 years
Part Numbers	MLC	FPMxxGWAE	FEMxxGWDL	FPMxxGLSE	SGxxNxSM	FEMxxGFDL
	SLC	N/A	N/A	FPDxxGLSE	N/A	FEDxxGFDL

CoreStore MV/MP

The CoreStore MV offers huge performance gains and an ultra-compact size. The standard mini-PCIe card form factor is perfect for Embedded Applications, Industrial PCs, All-in-One PCs, Netbook PCs and Notebooks. The CoreStore MP is a PCIe backplane SSD which can be added to almost any PC. By plugging directly into the PCIe bus, the CoreStore MP completely bypasses the SATA bottle neck, and is the very latest in technology in NAND flash today.



DuraDrive MV



DuraDrive MP

Specification		CoreStore MV	CoreStore MP
Interface		PCIe Gen2 x1	PCIe Gen2 x1
Form Factor		Mini PCIe	PCIe x 1
Capacities	MLC	16GB-128GB	16GB-128GB
	SLC	16GB- 64GB	16GB- 64GB
DRAM Cache		DDR2 64MB	DDR2 64MB
NAND Flash		ONFI2.0 MLC/SLC	ONFI2.0 MLC/SLC
Performance	Access Time	0.1ms	0.1ms
Dimension	mm	30 x 50.95	PCIe Card
Warranty	MLC	2 years	2 years
	SLC	3 years	3 years
Part Number	MLC	SRxxCxMME	SRxxCxMP1
	SLC	SRxxDxMME	SRxxDxMP1

FDM

Super Talent's line of SSDs also extends to small form factor systems. NAND Flash based IDE Flash Disk Modules (FDMs) are ideal for embedded computing applications. The industry standard IDE connector plugs directly into a motherboard using a 40 or 44-pin IDE connector, and uses a 5V power input.

SATA Flash Disk Modules

Specification	7-pin SATA FDM	7-pin SATA DOM	22-pin SATA Horizontal	USB FDM
Interface	SATA II	SATA II	SATA II	USB 2.0
Capacities	4-128GB	4-32GB	4-128GB	4-16GB
NAND Flash		SLC/MLC	SLC/MLC	SLC/MLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	150/80(MLC) , 165/125(SLC)	45/11(MLC)	150/80(MLC) , 165/125(SLC)
Power Supply	5V ± 5%	5V ± 5%	5V ± 5%	5V ± 5%
Dimension	mm	55 x 33	21.4 x 40.5	55.2 x 30
				46 x 19(ver), 35 x 21.2(Hor)
Warranty	MLC	2 years	2 years	2 years
	SLC	3 years	3 years	3 years
Part Number	MLC	SMxxNx57R/L	SMxxNx57V/H	SMxxNx52H
	SLC	SMxxAx57R/L	SMxxAx57V/H	SMxxAx52H

IDE Flash Disk Modules

Specification	40-pin Horizontal	40-pin Vertical	44-pin Horizontal	44-pin Vertical
Interface	IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Capacities	4GB-128GB (ver 2) 4GB-64GB (ver 3)	4GB-128GB (ver 2) 4GB-64GB (ver 3)	4GB-128GB (ver 2) 4GB-64GB (ver 3)	4GB-128GB (ver 2) 4GB-64GB (ver 3)
NAND Flash		MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
	MLC Read/Write (MB/sec)	80/40 (ver 2), 110/40 (ver 3)	80/40 (ver 2), 110/40 (ver 3)	80/40 (ver 2), 110/40 (ver 3)
	SLC Read/Write (MB/sec)	80/50 (ver 2), 110/50 (ver 3)	80/50 (ver 2), 110/50 (ver 3)	80/50 (ver 2), 110/50 (ver 3)
Power Supply	5V ± 5%	5V ± 5%	5V ± 5%	5V ± 5%
Dimension	mm	49.5 x 31.0	58.2 x 33.6	49.5 x 31.0
Warranty	MLC	2 years	2 years	2 years
	SLC	3 years	3 years	3 years
Part Number	MLC (ver2)	SFxxNx41	SFxxNx40	SFxxNx45
	SLC (ver2)	SFxxAx41	SFxxAx40	SFxxAx45
	MLC (ver3)	SFxxNx41	SFxxNx40	SFxxNx45
	SLC (ver3)	SFxxAx41	SFxxAx40	SFxxAx45





USB 3.0 Flash Drives

Super Talent is proud to announce its newest line of USB 3.0 flash drives. Compact, reliable, and backwards compatible to USB 2.0 our line of blazing fast flash drives makes the conversion to USB 3 simple.



World's First USB 3.0 Flash Drive

- RAIDrive - USB 3.0 Extreme Performance
- SuperCrypt - Hardware Encrypted SSD Performance
- Express RAM Cache - 32MB Cache delivers SSD performance
- Express DUO - USB 3.0 Value-line Performance

Specification	RAIDrive	SuperCrypt	Express RAM Cache	Express DUO
				
Interface	USB 3.0	USB 3.0	USB 3.0	USB 3.0
Capacities	32GB - 128GB	16GB- 256GB	16GB - 64GB	8GB - 32GB
NAND Flash	MLC	MLC	MLC	MLC
Performance	Seq. Read*	up to 370 MB/sec	up to 240 MB/sec	up to 67 MB/sec
	Seq. Write*	up to 196 MB/sec	up to 184 MB/sec	up to 18 MB/sec
OS Support	Windows XP, Vista, Windows 7	Windows XP, Vista, Window 7	Windows XP, Vista, Windows 7	Windows XP, Vista, Windows 7
MTBF	+1,000,000 hours	+1,000,000 hours	+1,000,000 hours	+1,000,000 hours
Data Integrity	10 years	10 years	10 years	10 years
Shock(operating)	1500G	1500G	1500G	1500G
Vibration(operating)	16G	16G	16G	16G
Operating Temperature	0°C to +70°C	0°C to +70°C	0°C to +50°C	0°C to +50°C
Dimension mm	95 x 34 x 15.4	95 x 34 x 15.4	87.5 x 25 x 8.0	80.82 x 20.62 x 12.1
Warranty	5 years	5 years	5 years	5 years
Part Numbers	ST3UxxSRK	ST3UxxSPS (SuperCrypt Pro) ST3UxxSCS (SuperCrypt)	ST3UxxERS	ST3UxxE2CK

* Performance varies depending on drive capacity, system configuration, application and other factors. Usable capacity is less than specified after formatting.

Storage POD

Completely powered by the USB bus, the Storage Pod requires no external power adapter or drivers to install, making it the perfect traveling companion. The Storage POD is simply the next generation of optimal external storage, without the compromises.



Specification

- Device : USB 3.0 Storage POD™
- Interface : USB 3.0
- Capacity: 500GB/1TB
- Dimensions (LxWxH) :129 x81 x 15 mm (129x81x17mm-1TB)
- Seq. Read/ Write: 90 MB/s, 55 MB/s
- Storage Media : 2.5" SATA HDD
- Power Supply : 5.0V DC Supplied from the USB port(s)
- Operating Temperature : 5°C - 55°C
- Operating Systems supported : Windows 7, Vista, XP
Mac OS X 10.4 or later (only USB 2.0 currently supported)
Linux Kernel 2.6.31 or later

Storage POD Mini

The Storage Mini is an external storage USB 3.0 SSD that utilizes a Sand Force controller , and is secured with a write protection switch to prevent unintentional writes; protecting the end user of the drive from viruses and malware. Accompanied with this products many features and high speed performance, the Storage POD Mini sets a new standard for portable size and convenience.



Specification

- Device : USB 3.0 Storage POD™ Mini
- Interface : USB 3.0
- Capacity: 120/240/480GB
- Dimensions (LxWxH) :116 x 68 x 10 mm
- Seq. Read/ Write: 240 MB/s, 150 MB/s
- Storage Media : 2.5" SATA SSD
- Power Supply : 5.0V DC Supplied from the USB port(s)
- Operating Temperature : 0°C - 70°C
- Operating Systems supported : Windows 7, Vista, XP
Mac OS X 10.4 or later (only USB 2.0 currently supported)
Linux Kernel 2.6.31 or later

Memory Products

Designed in compliance with JEDEC specifications, Super Talent DRAM memory delivers unparalleled performance and reliability in mission critical applications. We offer high product quality by using only major brand components, thus delivering high consistent performance you can count on. Our Server products include DDR, DDR2, and DDR3 ECC Registered modules, ECC Unbuffered modules, and DDR2 Fully Buffered DIMMs. We also offer very low profile modules (0.70" / 0.72" tall) for blade servers and Advanced TCA applications.

DDR3 ECC Registered



Capacities: 8GB, 4GB, 2GB, 1GB
Speeds: 1066/1333MHz
*VLP option available

DDR3 ECC UDIMM



Capacities: 4GB, 2GB, 1GB
Speeds: 1066/1333/1600 MHz

DDR2 ECC Registered



Capacities: 4GB, 2GB, 1GB, 512MB
Speeds: 400/533/667/800 MHz
*VLP option available

DDR2 FB DIMM



Capacities: 2GB, 1GB, 512MB
Speeds: 533/667/800 MHz

DDR ECC Registered



Capacities: 2GB, 1GB, 512MB, 256MB
Speeds: 266/333/400MHz

SO-DIMM



DDR3: Capacities to 4GB
Speeds to 1333MHz

DDR1: Capacities to 1GB
Speeds to 400MHz

DDR2: Capacities to 2GB
Speeds to 800MHz

Compact Flash Cards

Super Talent offers a full line of flash media cards that are fast, reliable and affordable. Designed into many consumer electronic products, these cards are used in a wide range of consumer applications including: digital cameras, phones, handheld PCs, digital video camcorders, digital music players, car navigation systems, and electronic books.

CFast

Capacity: 64GB, 32GB, 16GB



- Seq. Read & Write speed: 120MB/s, 90MB/s
- Operating shock rating of 2000Gs – impact-resistance.
- Power requirement: 3.3V.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm.
- Weight: 13g (max.).
- Operating temperature: 0°C - 70°C
- Warranty: 1 Year
- SATA II interface



CF Cards 600X PRO

- 90 Read / 90 Write (MB/s)
- 64GB/32GB/16GB
- Realtime recording application

High Speed CF Cards

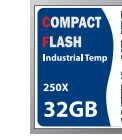
Capacity: 64GB, 32GB,16GB, 8GB, 4GB, 2GB



- Operating shock rating of 2,000Gs - impact-resistance.
- Speed 600x, 533x, 450x, 350x, 80x
- Power requirements: 3.3V or 5.0V.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max.).
- Warranty: 1 Year.

I-Temp CF Cards

Capacity: 32GB,16GB, 8GB, 4GB, 2GB, 1GB



- Operating shock rating of 2,000Gs - impact-resistance.
- Power requirements: 3.3V or 5.0V.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max.).
- Operating temperature: -40° to 85° C.
- Warranty: 1 Year

CFast Card Reader



- USB 3.0 to CFast interface
- Speed up to 300MB/s
- USB 3.0/USB 2.0 compatible
- Support CFast type I
- LED indicates USB 3.0/2.0 status