SUPER ★ TALENT®
THE BEST MEMORY

ABOUT SUPER TALENT TECHNOLOGY, CORPORATION

Headquartered in San Jose, California – the heart of Silicon Valley, Super Talent Technology designs and manufactures system memory and Flash-based storage devices for computers and consumer electronics. Our award-winning system memory products are based on industry standard DDR, DDR2 and DDR3 technology. Our Flash storage solutions include Solid State Drives (SSDs), stylish USB drives and compact removable card formats.

With over 20 years of experience in manufacturing memory products, Super Talent has emerged as a leader in advanced product development and manufacturing processes.

ENGINEERED IN SILICON VALLEY

Super Talent's electrical, mechanical, and software Engineering teams, based in Silicon Valley, develop leading-edge custom DRAM and Flash memory solutions. An ISO 9001 certified company, Super Talent utilizes its state-of-the-art factories and leading - edge components to produce award winning products with outstanding reliability. As an active member of JEDEC and ONFI, the industry standards associations for DRAM and Flash, Super Talent's engineers help define future memory standards. With over 230 patents in DRAM and Flash technology, Super Talent has become one of the world's top patent holders in memory device categories.

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

World map locations: San Jose, Chicago, New Jersey, LA, Georgia, Miami, Mexico, Costa Rica, Peru, Brazil, Chile, Bolivia, Argentina, Europe, Wuhan, Korea, Japan, Shenzhen & Guang Zhou, Taiwan, Hong Kong

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www.supertalent.com

Corporate Headquarters

United States

2077 North Capitol Avenue
San Jose, CA 95132 U.S.A
Tel: 1.408.934.2560
Fax: 1.408.719.5020
Support: support@supertalent.com
Sales: sales@supertalent.com
OEM Sales: oemsales@supertalent.com

SUPER ★ TALENT®
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SSD Controller SSD Performance & Reliability...

USB 3.0 Flash Drive

- **Express RC8 :** 8-CH SSD Performance with SandForce® Write Acceleration
- **SuperCrypt :** 8-CH SSD Hardware Encrypted Performance
- **SuperCrypt RC4 :** 4-CH SSD Combines Security and Performance

Up to Read **270** Write **240** (MB/s)

Up to Read **242** Write **175** (MB/s)

Up to Read **280** Write **265** (MB/s)

Express RC8   **SuperCrypt**   **SuperCrypt RC4**

2012 **Product Overview**

Solid State Drives   USB 3.0 Flash Drives   Memory Modules

Your Source for Quality
Flash & DRAM Products...

USB 3.0 Flash Drives

Up to Read 270 Write 240 (MB/s)	Up to Read 242 Write 175 (MB/s)	Up to Read 280 Write 265 (MB/s)	Up to Read 84 Write 38 (MB/s)	Up to Read 91 Write 16 (MB/s)
Express RC8	SuperCrypt	SuperCrypt RC4	DataGuardian	Express ST1

Solid State Drives

TeraDrive	UltraDrive	DuraDrive	Netbook SSD	CoreStore

USB Drives

Elite Series	Pico Series	Eco Series	Rubber USB Drives	Custom USB Drives

Memory Products

Overclocking Memory	Server Memory	Desktop Memory	Laptop Memory	Apple Memory

FLASH PRODUCTS

MEMORY PRODUCTS

* Patent # - USA (Protected by U.S Patents)

DDR DIMM:
5,841,686 ; 5,982,653 ; 5,996,880 ; 6,542,393 ; 6,775,139 ; 6,993,209 ; 7,023,700 ; 7,215,551 ; 7,365,985

USB Flash Drives:
6,547,130 ; 6,854,984 ; 6,874,044 ; 6,993,618 ; 7,004,780 ; 7,004,794 ; 7,021,971 ; 7,044,802 ; 7,052,287 ;
7,073,010 ; 7,074,052 ; 7,082,056 ; 7,094,074 ; 7,095,617 ; 7,103,684 ; 7,104,848 ; 7,108,560 ; 7,125,287 ;
7,126,559 ; 7,182,646 ; 7,186,147 ; 7,235,423 ; 7,243,185 ; 7,249,978 ; 7,252,518 ; 7,257,714 ; 7,259,967 ;
7,269,004 ; 7,297,024 ; 7,318,117 ; 7,428,605 ; 7,347,736

Flash Cards:
6,547,130 ; 6,874,044 ; 7,009,846 ; 7,032,827 ; 7,069,369 ; 7,082,056 ; 7,103,684 ; 7,104,807 ; 7,126,873 ;
7,173,826 ; 7,174,628 ; 7,243,185 ; 7,257,714 ; 7,296,345 ; 7,299,316

Solid State Drives:
7,243,185 ; 6,547,130 ; 6,874,044 ; 7,004,780 ; 7,082,056 ; 7,073,010 ;
7,104,807 ; 7,126,873 ; 7,130,958 ; 7,243,185 ; 7,257,714 ; 7,299,316 ; 7,318,117

* Taiwan Patents
164,796 ; 095,968 ; 145,103 ; 178,818 ; 178,779 ; 178,845 ; 206,035 ; 216,173 ;
216,933 ; 201,112 ; 246,923 ; 205,100 ; 230,947 ; I252,981 ; I264,152 ; I264,678

*China Patents:
107,391 ; 255,645

Solid State Drives

SSDs (solid state drives) are the latest in high performance data storage devices. Using NAND Flash memory, SSDs consume less power, perform faster, produce less noise, and weigh less than conventional hard disk drives.

Replacing HDDs with SSDs is an easy choice since they are 100% compatible. While standard spinning HDDs are the first component to fail in extreme conditions, SSDs are durable, reliable and bring unparalleled performance to your system.

ST SSDs - The Broadest Portfolio in the Industry...

Enterprise Server
- Server, Workstation, Extreme Performance

	RAIDDrive	TeraDrive SAS	TeraDrive
Form Factor	PCIe	2.5"	2.5"
Interface	PCIe x8	SAS 6Gb/s	SATA-II, III
Density	256GB - 2TB	100GB - 400GB	55GB - 480GB
Flash Type	MLC	SLC/MLC	MLC

Industrial / Military / Embedded
- Military, Aerospace, Industrial, Medical, Embedded Systems

	DuraDrive	FDM	CoreStore
Form Factor	2.5", 1.8"	7-44 Pin Vertical or Horizontal, USB	PCIe and Mini PCIe
Interface	SATA-II, IDE/PATA	SATA-II, IDE/PATA	PCIe and Mini PCIe
Density	16GB - 256GB	4GB - 32GB	16GB - 64GB
Flash Type	SLC/MLC	SLC/MLC	SLC/MLC

Laptop / Desktop
- High Performance Storage

	UltraDrive	MasterDrive	DuraDrive	VSSD	Netbook SSDs
Form Factor	2.5"	1.8"	2.5", 1.8"	2.5"	1.3", 1.8", mini PCIe
Interface	SATA-II	SATA-II	SATA-II, IDE/PATA	SATA-II	SATA-II, IDE/PATA
Density	60GB - 480GB	32GB - 256GB	16GB - 256GB	8GB - 64GB	8GB - 128GB
Flash Type	SLC/MLC	MLC	SLC/MLC	MLC	SLC/MLC

RAIDDrive SSDs   *Enterprise Server*   - Server, Workstation, Extreme Performance

Built for the Enterprise server, our RAIDDrive SSD increases application performance and reduces latency by providing unparalleled bandwidth of up to 2GB/s. Designed to fit into a low profile server, the SuperTalent RAIDDrive can simplify your IT infrastructure while reducing operating and capital costs.
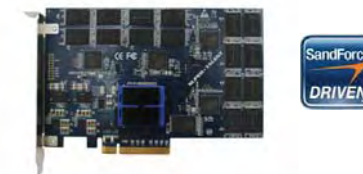
RAIDDrive upStream
- PCIe x8 link host interface
- Burst Speed (max) : Read 950MB/s, Write 800MB/s**
- Capacities of up to 1TB

RAIDDrive II
- PCIe x8 (Gen2) host interface
- Burst Speed (max) : Read 2.4GB/s, Write 2.8GB/s*
- Supports RAID 0 or RAID 5
- Capacities of up to 2TB

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

| Specification		RAIDDrive upStream	RAIDDrive II	RAIDDrive GS
Interface		PCIe x8	PCIe x8	PCIe x8
Controller		LSI 1064E	LSI ROC 2108	Intel IOP 348
Form Factor		PCIe	PCIe	PCIe
Capacities		256GB - 1TB	480GB - 2TB	256GB - 2TB
NAND Flash		MLC	MLC	MLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
Burst Speed	Read/Write (MB/sec)	950/900**	2400/2800*	1400/1200*
RAID Function		0/1	0/5	0/5
RAID Cache Size		N/A	1GB	512MB
Number of Port		4ports	8ports	4ports/8ports with Expander
Battery Backup		No	No	No
MTBF		>1,000,000 hrs	>1,500,000 hrs	>1,500,000 hrs
Dimension	mm	167.5 x 107 x 17	231.5 x 94 x 20.6	255 x 107 x 25.4
Part Number		TBD	R2Sxxxx	RGSxxxx

* Based on CrystalDiskMark v.3.0 and Asus P6T Motherboard. Perfomance may vary. Usable capacity is less than specified after formatting. Windows is a registered trademark of Microsoft. ** Based on ATTO and ASUS P6T M/B.

CoreStore SSDs   *Industrial / Military / Embedded* - Military, Aerospace, Industrial, Medical, Embedded Systems

The CoreStore MV offers huge performance gains at 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.

CoreStore MV
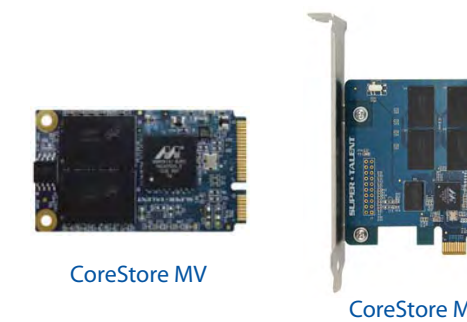
CoreStore MP

- Boots Windows 7 in 11 seconds
- ONFi DDR (Double Data Rate)
- Capacities of up to 128GB
- Read 350MB/s, Write 220MB/s

Specification		CoreStore MV	CoreStore MP
Interface		PCIe Gen2 x1	PCIe Gen2 x1
Form Factor		Mini PCIe	PCIe x 1
Capacities		16 - 128GB(MLC) 16 - 64GB(SLC)	16 - 128GB(MLC) 16 - 64GB(SLC)
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		2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)
Part Number		SRxxCxMME(MLC) SRxxDxMME(SLC)	SRxxCxMP1(MLC) SRxxDxMP1(SLC)

TeraDrive SAS *Enterprise Server*   - Server, Workstation, Extreme Performance

TeraDrive SAS is an SSD designed for the Data Center and Server Market. The TeraDrive SAS supports the new TeraDrive SAS interface which offers: higher signal integrity, more reliably and support for longer cable lengths. For data center, the TeraDrive SAS interface enables the data center to increase the number of drives per server(node). This enables them to increase performance, reliability and capacity while reducing the number of required servers, using less real-estate and reduce their carbon footprint

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 6Gbps
Form Factor		2.5"
Capacities		100GB - 400GB
NAND Flash		SLC/MLC ONFI2
Performance	Access Time	0.1msec
	Read/Write (MB/sec)	500/500
Data Cache		No
Supporting Sector Size (Byte)		512 / 520 / 524 / 528
MTBF		>1,000,000 hrs
Dimension	mm	100 x 70 x 10.5
Warranty		2 years (MLC), 3 years (SLC)
Part Number		SExxxxx25S

TeraDrive SSDs (SATA III) *Enterprise Server* - Server, Workstation, Extreme Performance

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

SATA III
Now available...

Specification		TeraDrive Nova	TeraDrive CT3	TeraDrive CT2
Controller		SandForce 22xx	SandForce 22xx	SandForce 12xx
Interface		SATA-III	SATA-III	SATA-II
Form Factor		2.5 "	2.5 "	2.5 "
Capacities		60GB,120GB,240GB,480GB	60GB,120GB,240GB,480GB	55GB,115GB,240GB,480GB
NAND Flash		MLC	MLC	MLC
Internal Cache Size		N/A	N/A	N/A
Power Supply		5V ± 10%	5V ± 10%	5V ± 10%
Reliability	MTBF	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs
Dimension	mm	69.85 x 100.20 x 9.00 mm	69.85 x 100.20 x 9.00 mm	69.85 x 100.20 x 9.50 mm
Warranty		2 years	2 years	2 years
Part Number		FTMxxN325H	FTMxxC325H	FTMxxC225H

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
Laptop / Desktop   - High Performance Storage

UltraDrive™ series SSDs are perfect SSD for the workstation. Designed to strike a balance between performance and price, the UltraDrive products represent our best value. Featuring advanced error correction, wear leveling, bad block management technologies and Trim, the 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 connector
Form Factor		2.5"
Capacities		60GB - 480GB
NAND Flash		MLC/SLC
Performance	Access Time	0.1ms
Internal Cache Size		64MB
Power Supply		5V ± 10%
Environment	Vibration	16G
	Shock	1500G
	Op Temperature	0-70 ℃
Reliability	MTBF	>1,000,000 hrs
Noise	Active	0dB
Dimension	mm	69.85 x 100.20 x 9.50 mm
Warranty		3 years (SLC) 2 years (MLC)
Part Number		FTDxxM225H (SLC) FTMxxM225H (MLC)

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

MasterDrive SSDs *Laptop / Desktop* - High Performance Storage

Super Talent's MasterDrive series brings the solid state drives to a whole new audience with a design that is truly affordable. Super Talent scours the industry for feature rich components to bring the savings to the consumers. Models include no-compromise features like SATA II technology for exceptionally fast read speeds of up to 250MB/sec, as well as the same resistance to shock and vibration as all Super Talent SSDs.

Features
• SATA-II interface and 128MB internal cache
• Operates at industrial temperatures (-40℃ - +85℃)
• Up to 250MB/sec Read speeds
• Up to 130MB/sec Write speeds

Specification		MasterDrive KX3
Interface		SATA-II
Form Factor		1.8"uSATA
Capacities		32GB - 256GB
NAND Flash		MLC
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	250/130
Internal Cache Size		128MB
Power Supply		3.3V ± 10%
Environment	Vibration	16G
	Shock	1500G
	Op Temperature	0℃~70℃ (I-temp: -40℃~85 ℃)
Reliability	MTBF	>1,000,000 hrs
Noise	Active	0dB
Dimension	mm	78.5 X 54.0 X 5.0 mm
Warranty		2 years
Part Number		FUMxxG818H(I)

DuraDrive SSDs — *Industrial / Military / Embedded* - Military, Aerospace, Industrial, Medical, Embedded Systems

Super Talent's DuraDrive SSDs represent the state-of-the-art solid-state storage solutions for Industrial, Embedded, Military and Mission Critical applications. Available in a variety of configurations. Features include: i-Temp (-40°C to +85C) and Commercial Temp, SLC and MLC, Secure Erase, SATA, PATA and ZIF. When reliability becomes mission critical, think DuraDrive.

Specification		DuraDrive AT2	DuraDrive ET2	DuraDrive AT3	DuraDrive ZT2
Interface		SATA-II	IDE/PATA	SATA-II	IDE/ZIF
Form Factor		2.5"	2.5"	2.5"	1.8"
Capacities		32GB - 256GB (MLC) 16GB - 128GB (SLC)	32GB - 256GB (MLC) 16GB - 128GB (SLC)	32GB - 256GB (MLC)	32GB - 256GB (MLC) 16GB - 128GB (SLC)
NAND Flash		MLC/SLC	MLC/SLC	MLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	Up to 125/110	Up to 125/110	Up to 250/170	Up to 125/110
Internal Cache Size		64MB	64MB	128MB	64MB
Power Supply		5V ± 10%	5V ± 10%	5V ± 10%	3.3V ± 10%
Environment	Vibration	16G	16G	16G	16G
	Shock	1500G	1500G	1500G	1500G
	Op Temperature	0°C~70°C (I-temp: -40°C~85 °C)	0°C~70°C (I-temp: -40°C~85 °C)	0°C~70°C (I-temp: -40°C~85 °C)	0°C~70°C (I-temp: -40°C~85 °C)
Reliability	MTBF	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs
Noise	Active	0dB	0dB	0dB	0dB
Dimension	mm	69.9 x 100.2 x 9.5 mm	69.9 x 100.2 x 9.5 mm	69.85 x 100.20 x 9.00 mm	51.97 x 69.97 x 5.10 mm
Warranty		2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)	2 years(MLC)	2 years(MLC) 3 years (SLC)
Part Number		FTDxxGW25x* (SLC) FTMxxGW25x*(MLC)	FHDxxGW25x* (SLC) FHMxxGW25x* (MLC)	FTMxxG825x* (MLC)	FZDxxGW18x* (SLC) FZMxxGW18P (MLC)

* Commecial- Temp: H, Industrial-Temp: I

• 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.

Mission Critical Storage...

VSSD — *Laptop / Desktop* - High Performance Storage

Super Talent's VSSD brings performance and solid-state technology together at one incredible price. By upgrading to the VSSD from traditional hard disks, shorter OS booting up time, faster application loading, and less system power consumption can be achieved. The VSSD also takes full advantage of the 3Gbps SATA-II bandwidth showing off sequential read speeds of up to 160MB/sec and sequential write speeds of up to 80MB/sec.

Specification		Value SSD	VSSD-G5
Interface		SATA-II	SATA-II
Form Factor		2.5 "	2.5 "
Capacities		8GB - 64GB	8GB - 64GB
NAND Flash		MLC	MLC
Performance	Access Time	0.1ms	0.1ms
	8GB R/W (MB/s)	60/20	35/10
	16GB R/W (MB/s)	90/30	70/25
	32GB R/W (MB/s)	90/30	115/45
	64GB R/W (MB/s)	150/60	160/80
Power Supply		5V ± 5%	5V ± 5%
Enviroment	Vibration	16G	16G
	Shock	1500G	1500G
	OP temperature	0°C ~ 70°C	0°C ~ 70°C
Reliability	MTBF	>1,000,000 hrs	>1,000,000 hrs
Dimension	mm	69.9 x 100.2 x 9.5	69.9 x 100.2 x 9.5
Warranty		2 years	2 years
Part Number		FTMxxGL25V	FTMxxG525V

Netbook SSDs — *Laptop / Desktop* - High Performance Storage

Netbook SSD Upgrade...

As companies compete to release thinner netbooks, Super Talent produces custom solid state drives (SSDs) to advance the netbook industry's desires. The slimmer, lightweight designs present a cost-effective alternative to hard drives in the Ultra Mobile Personal Computing (UMPC) market. Besides portability, Super Talent netbook SSDs fulfill the two most important features for netbook consumers: outstanding reliability and endurance.

Specification		Mini PCIe GW	Half Mini PCIe GW	1.3" IDE ZIF
Interface		IDE/PATA	IDE/PATA	IDE/PATA
Form Factor		Mini PCIe	Half miniPCIe	1.3" ZIF
Capacities		16 - 128GB	16 - 64GB	8-128GB
DRAM Cache		N/A	N/A	N/A
NAND Flash		MLC	MLC	MLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	110/40	110/40	80/40
Netbook Compatibility		Asus Eee PC 70x, 90x, 1000	Dell Inspiron	Acer Aspire 1
Dimension	mm	32.1 x 69.5	30 x 51	32.1 x 54.1
Warranty		2 years	2 years	2 years(MLC)
Part Number		FPMxxGWAE	FEMxxGWDL	FEMxxGF13M

Specification		CoreStore MV	SATA Mini 2 PCIe	mSATA (MO-300B)	mSATA 2	Half Mini 2 PCIe
Interface		PCIe Gen2x1	SATA-II	SATA-II	SATA-II	Custom IDE/PATA
Form Factor		Mini PCIe	Mini PCIe	mSATA	mSATA	Half miniPCIe
Capacities		16 - 128GB(MLC) 16 - 64GB(SLC)	16-64GB(MLC) 16-32GB(SLC)	16-128GB(MLC)	16-128GB(MLC)	8-128GB(MLC) 8-16GB(SLC)
DRAM Cache		N/A	N/A	N/A	N/A	N/A
NAND Flash		MLC/SLC	MLC/SLC	MLC	MLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms	0.1ms
MLC	Read/Write (MB/sec)	350/80	150/100	150/80	280/255	80/40
SLC	Read/Write (MB/sec)	350/220	170/130	N/A	N/A	80/60
Netbook Compatibility		N/A	Asus Eee PC 900, 900A, 901, S101	JEDEC MO-300B compatible	JEDEC MO-300B compatible	Dell Inspiron Mini 9
Dimension	mm	30 x 51	32.1 x 69.5	30 x 51	30 x 51	30 x 51
Warranty		2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC)	2 years(MLC)	2 years(MLC) 3 years(SLC)
Part Number		SRxxCxMME(MLC) SRxxDxMME(SLC)	FPMxxGLSE (MLC) FPDxxGLSE (SLC)	SGxxNx5SM	SGxxNx4SM	FEMxxGFDL (MLC) FEDxxGFDL (SLC)

FDM *Industrial / Military / Embedded* - Military, Aerospace, Industrial, Medical, Embedded 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.

IDE Flash Disk Modules

Specification		40-pin IDE Horizontal	40-pin IDE Vertical	44-pin IDE Horizontal	44-pin IDE Vertical
Interface		IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Capacities		4-128GB (ver 2.0)	4-128GB (ver 2.0)	4-128GB (ver 2.0)	4-128GB (ver 2.0)
		4-64GB (ver 3.0)	4-64GB (ver 3.0)	4-64GB (ver 3.0)	4-64GB (ver 3.0)
NAND Flash		MLC/SLC	MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms
MLC	Read/Write (MB/sec)	80/40 (ver 2.0)	80/40 (ver 2.0)	80/40 (ver 2.0)	80/40 (ver 2.0)
		110/40 (ver 3.0)	110/40 (ver 3.0)	110/40 (ver 3.0)	110/40 (ver 3.0)
SLC	Read/Write (MB/sec)	80/50 (ver 2.0)	80/50 (ver 2.0)	80/50 (ver 2.0)	80/50 (ver 2.0)
		110/50 (ver 3.0)	110/50 (ver 3.0)	110/50 (ver 3.0)	110/50 (ver 3.0)
Internal Cache Size		N/A	N/A	N/A	N/A
Power Supply		5V ± 10%	5V ± 10%	5V ± 10%	5V ± 10%
Dimension	mm	49.5 x 31.0	58.2 x 33.6	48.0 x 31.0	55.8 x 33.0
Warranty		2 years(MLC)	2 years(MLC)	2 years(MLC)	2 years(MLC)
		3 years(SLC)	3 years(SLC)	3 years(SLC)	3 years(SLC)
Part Number		SFxxNxF41 (MLC ver 2.0)	SFxxNxF40 (MLC ver 2.0)	SFxxNxF45 (MLC ver 2.0)	SFxxNxF44 (MLC ver 2.0)
		SFxxAxF41 (SLC ver 2.0)	SFxxAxF40 (SLC ver 2.0)	SFxxAxF45 (SLC ver 2.0)	SFxxAxF44 (SLC ver 2.0)
		SFxxNxW41 (MLC ver 3.0)	SFxxNxW40 (MLC ver 3.0)	SFxxNxW45 (MLC ver 3.0)	SFxxNxW44 (MLC ver 3.0)
		SFxxAxW41 (SLC ver 3.0)	SFxxAxW40 (SLC ver 3.0)	SFxxAxW45 (SLC ver 3.0)	SFxxAxW44 (SLC ver 3.0)

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		MLC/SLC	MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	150/80 (MLC)	45/11	150/80 (MLC)	25/10 (MLC)
		165/125 (SLC)		165/125 (SLC)	32/29 (SLC)
Internal Cache Size		N/A	N/A	N/A	N/A
Power Supply		5V ± 10%	5V ± 10%	5V ± 10%	5V ± 10%
Dimension	mm	55 x 33	21.4 x 40.5	55.2 x 30	19 x 46 (Vertical)
					35 x 21.2 (Horizontal)
Warranty		2 years(MLC)	2 years(MLC)	2 years(MLC)	2 years(MLC)
		3 years(SLC)	3 years(SLC)	3 years(SLC)	3 years(SLC)
Part Number		SMxxNx57R/L(MLC)	SMxxNx57V/H (MLC)	SMxxNx52H (MLC)	FLMxGQ09x (MLC)
		SMxxAx57R/L(SLC)	SMxxAx57V/H (SLC)	SMxxAx52H (SLC)	FLDxGQ09x (SLC)

Automotive SSDs

DuraDrive AT3

Super Talent is already on the road!
· **Major manufacturers have already qualified our product for their IVI (in-vehicle infotainment) systems**
· **Our SSDs are currently in mass production to meet your needs today**

All terrain means our SSDs are durable
• Rated for industrial level temperatures (-40°C to 85°C)
• Integrated SPOR (Sudden Power Off Recovery) algorithm
• Withstands vibration and shock because it has no moving parts
• Supports various form factors to fit into your vehicle or device
  (2.5", 1.8", mini PCIe and custom BGA)

Standard SSD options
• Capacities from 4GB to 240GB
• Built in ECC (error correcting code) for reliability
• Lasts longer using the wear leveling algorithm
• Currently supports Windows CE operating system
• Android, GENIVI and MeeGo support coming soon
• Available in MCP (multi-chip packaging) for a smaller footprint in your system

SSDs perform at highway speeds
• Uses high bandwidth connections such as SATA II
• High read/write speeds

Product lines

DuraDrive AT3

Front
Back

MCP   Half Mini PCIe

USB 3.0 Flash Drives

Super Talent is committed to the USB 3.0 standard and offers the largest selection of USB 3.0 flash drives. Whether you need speed, style, security or affordability, you'll find the perfect drive at Super Talent.

SSD Performance & Reliability...

Largest Selection of USB 3.0 Drives...

"Super Talent USB 3.0 Express RC8
looks like a thumb drive, acts like an SSD"
- Engadget

RAIDDrive
DUAL 8-CH SSDs provide over 370MB/sec

Up to
Read 371
Write 196
(MB/s)

Express RC8
8-CH SSD Performance with SandForce® Write Acceleration

Up to
Read 270
Write 240
(MB/s)

SuperCrypt
8-CH SSD Hardware Encrypted Performance

Up to
Read 242
Write 175
(MB/s)

SuperCrypt RC4
Utilizes 4 channels of DDR flash for blazing R/W speeds

Up to
Read 280
Write 265
(MB/s)

Express RAM Cache
4-CH Flash drive with DRAM Caching system

Up to
Read 131
Write 60
(MB/s)

Express ST4
New 4 Channel Architecture

Up to
Read 140
Write 50
(MB/s)

USB 3.0 Dataguardian
USB 3.0 Password Security

Up to
Read 84
Write 38
(MB/s)

Express ST2
USB 3.0 Performance at USB 2.0 Price

Up to
Read 84
Write 38
(MB/s)

Express ST2-3
USB 3.0 Slider

Up to
Read 84
Write 38
(MB/s)

Express ST1
Next Gen Flash Value line

Up to
Read 91
Write 16
(MB/s)

■ Cache	■ Secure	■ 4 Channel	■ 2 Channel	■ DDR Flash

What's a channel?

A channel of flash is a unit of flash memory in the USB drive. Having more channels means the drive can have more capacity and an increase in performance.

What is the difference between ST (standard) vs DDR (double data rate) flash?

Straight flash means that the performance you receive out of your flash drive is at the optimal rate the flash memory can provide. Double data rate flash can outperform straight flash because it allows you to access the flash at twice the number of intervals.

Express RC8
Using 8 channels of flash, virtual caching system and a SSD controller, the Express RC8 is an SSD in USB 3.0 flash drive form factor.

Features
- 8 channels SSD controller
- Virtual caching system elevates small block writes
- Perfect for running portable operating systems

SandForce DRIVEN

Watch the video

SuperCrypt USB 3.0
SuperCrypt USB 3.0 drives are extremely fast, include hardware encryption to keep your data secure, and are offered in a wide range of capacities.

Features
- 8 channels SSD controller
- All data is automatically Encrypted/ Decrypted
- Perfect combination of performance and security

Watch the video

SuperCrypt RC4
Using 4 channels of DDR flash, a write acceleration algorithm, hardware encryption and a SSD controller, the SuperCrypt RC4 combines security with real performance.

Features
- 4 channels SSD controller
- Utilizes DDR flash for blazing Read/Write speeds
- Hardware encrypted

SandForce DRIVEN

USB 3.0 Peripherals

Storage POD

Achieve portability and performance with Super Talent's USB 3.0 Storage POD. Having a sleek, black enclosure with an internal rubber grommet, the Storage POD will look stylish while keeping your data safe. Available with either a 500GB HDD or as an enclosure to put your own 2.5" drive into.

• Converts 2.5" SATA drives to USB 3.0
• USB 3.0 interface allows for SATA Read/Write speeds
• Mountless rubber grommet protects from shock and vibration

Watch video of the Storage POD HDD

Watch video of the Storage POD Enclosure

Storage POD Mini

Super Talent's Storage POD Mini is ready to travel when you are! With a USB 3.0 interface, the Storage POD Mini gives outstanding performance and comes in capacities of up to 480GB.

• Read 250MB/s, Write 150MB/s
• Smaller than 2.5" drives for easy transport
• Write protect switch
• One touch back-up
• Available in 120GB, 240GB, 480GB

USB 3.0 HUB

Do more with Super Talent's new USB 3.0 4-port Hub!

• Transfers up to 5Gbps
• Improves accessibility of USB 3.0 ports
• Supports USB 3.0 and USB 2.0 simultaneously
• Features plug-and-play installation
• Includes power adapter

USB 3.0 Card Reader

USB 3.0 Card Reader reads everything at blazing speeds.

• Can read XD, Pro Duo, SD, Micro SD, and CF cards
• Compact Flash CF slot placed on the back of the device for a compact design
• Perfect for transferring photos quickly so you can get back to capturing your precious moments
• Removes the USB 2.0 bottle neck and enables photos to be downloaded 3x faster.

Pico USB Drives   *World's smallest 64GB USB Drive*

Pico Series USB drives are incredibly small and stylish flash drives offering up to 64GB data storage. Pico drives feature up to 30 MB/s transfer speeds. Not only are Pico drives ideal for transporting data, digital images, and presentations, they are also the perfect accessory to adorn keychains, mobile phones, or wear as a necklace.

Pico A
-Swivel Lid
38.7 x 12.4 x 3.9mm

Pico B
- Retractable
31.8 x 18.8 x 4.4mm

Pico C
- Ultra Small Capless
31.3 x 12.4 x 3.4mm

Pico C Gold
- Ultra Small Capless
31.3 x 12.4 x 3.4mm

Pico C Nickel
- Ultra Small Capless
31.3 x 12.4 x 3.4mm

Pico D
-Swivel Lid
39.7 x 13.5 x 4.9mm

Pico E
- Sliding lid
34.8 x 15.8 x 5.2mm

Pico E Gold
- Sliding lid
34.8 x 15.8 x 5.2mm

Ordering Information

	2GB	4GB	8GB	16GB	32GB	64GB
A	STU2GPAS	STU4GPAS	STU8GPAS	STU16GPAS		
B	STU2GPBS	STU4GPBS	STU8GPBS	STU16GPBS		
C	STU2GPCS	STU4GPCS	STU8GPCS	STU16GPCS		STU64GPCG
C Gold		STU4GPCG	STU8GPCG	STU16GPCG	STU32GPCG	
C Nickel	STU2GPCN	STU4GPCN	STU8GPCN	STU16GPCN	STU32GPCN	
D	STU2GPDS	STU4GPDS	STU8GPDS	STU16GPDS		
E	STU2GPES	STU4GPES	STU8GPES	STU16GPES		
E Gold		STU4GPEG	STU8GPEG	STU16GPEG	STU32GPEG	

Pico mini USB Drives

Pico mini drives are amazingly small USB drives that weigh only a few grams, but hold up to 4,000 MP3 songs or all your mobile data. Pico mini drives are water resistant, colorful and trendy, and are offered in capacities of up to 32GB.

Pico mini A   Dimension: 31.8 x 15.0 x 3.2 mm

Pico mini C
Dimension: 31 x 16.2 x 5.2 mm

Pico mini D
Dimension: 30.5 x 15.4 x 3.9 mm

Pico mini B   Dimension: 30.5 x 15.4 x 3.4 mm

Ordering Information

	Pico mini A	Pico mini B	Pico mini C	Pico mini D
2GB	STU2GMAP	STU2GMBP	STU2GMCK	STU2GMDU
4GB	STU4GMAG	STU4GMBG	STU4GMCK	STU4GMDU
8GB	STU8GMAB	STU8GMBB	STU8GMCK	STU8GMDU
16GB	STU16GMAK	STU16GMBK	STU16GMCK	STU16GMDU
32GB	STU32GMAK	STU32GMBK	STU32GMCK	STU32GMDU

Elite Series
Standard Storage,Premium Designs,High-end Materials,Non-speed Rated

Eco Series
Simple Storage, Classic Designs, Classic Colors, Non-speed Rated

DataGuardian

DataGuardian™ is plug and play security for USB . Finally, there's a solution to keep your data safe without the headaches. There's nothing to install, no public/private partitions to manage and no administrative right required. DataGuardian provides password access that runs from the hardware (on-chip). DataGuardian also protects you from all auto-run based malware attacks; the most common form of malware attacks affecting flash drives today.

Features
· Password security made easy
· Simple hardware-based interface
· Runs in user-mode
· No software to install
· Protects from all autorun-launched malware attacks
· Capless design - slides to reveal USB connector

Capacity: 4GB - 16GB
Dimension: 61 x 23 x 9 mm

Ordering Information

Part Number	Description
GUARDI-4G	USB 2.0 DataGuardian , 4GB
GUARDI-8G	USB 2.0 DataGuardian , 8GB
GUARDI-16G	USB 2.0 DataGuardian , 16GB

Encryption Solutions

Your USB Flash drive holds all your most valuable data. Maybe it contains your personal financial records, confidential medical or legal records, customer databases, or other secrets that you wouldn't want to fall into the wrong hands. By encrypting your data, it will be inaccessible to anyone without your encryption password (beware, do not lose your password!). Super Talent now offers two easy ways to protect the contents of your USB drive. Our state-of-the-art 256-bit encryption solutions conform to AES-256 standards.

USBENC-H1
- AES-256 compliant hardware encryption
- Supported on most USB models
- Factory enabled only; specify when ordering

USBENC-S1
- EncryptX SecurFlash® AES-256 compliant
  software encryption
- Supported on all USB models
- FIPS 140-1 certified
- Factory pre-load only

Nickel Metal

The first thing you'll notice about the Elite series Nickel Metal drive is it heavy feel and solid metal construction. Both body and cap are a single piece of polished black nickel metal. A drive light indicator shows drive activity.

Capacity: 2GB - 32GB
Dimension: 64 x 18 x 11 mm

Ordering Information

Capacity	Nickel Metal
2GB	STU2NIKB
4GB	STU4NIKB
8GB	STU8NIKB
16GB	STU16NIKB
32GB	STU32NIKB

Twist-CRR

A new "twist" on the cap-less design. Twist the back 20% of the drive to reveal the USB connector. Spins either way without mechanical stop.

Capacity: 1GB - 16GB
Dimension: 59 x 17 x 10 mm

Ordering Information

Silver (x = 2GB – 16GB)	STUxGGRS
Red (x = 2GB – 16GB)	STUxGGRR
Black (x = 2GB – 16GB)	STUxGGRK

Super Talent branded USB Flash Drives...

SSP
Capacity: 2GB - 64GB
Dimension: 61 x 23 x 9 mm

Ordering Information

Capacity	Black	Silver
2GB	STU2SSP-K	STU2SSP-S
4GB	STU4SSP-K	STU4SSP-S
8GB	STU8SSP-K	STU8SSP-S
16GB	STU16SSP-K	STU16SSP-S
32GB	STU32SSP-K	STU32SSP-S
64GB	STU64SSP-K	STU64SSP-S

Eco Swivel
Capacity: 2GB - 64GB
Dimension: 66 x 18 x 12 mm

Ordering Information

Capacity	Black	Red	Silver
2GB	STU2GSWD-K	STU2GSWD-R	TU2GSWD-S
4GB	STU4GSWD-K	STU4GSWD-R	STU4GSWD-S
8GB	STU8GSWD-K	STU8GSWD-R	STU8GSWD-S
16GB	STU16GSWD-K	STU16GSWD-R	STU16GSWD-S
32GB	STU32GSWD-K	STU32GSWD-R	STU32GSWD-S
64GB	STU64GSWD-K	STU64GSWD-R	STU64GSWD-S

RM
Capacity: 2GB - 32GB
Dimension: 57.6 x 19 x 10.4 mm

Ordering Information

Capacity	Black	Blue	Red	White
2GB	STU2GRMBK	STU2GRMBL	STU2GRMRR	STU2GRMRW
4GB	STU4GRMBK	STU4GRMBL	STU4GRMRR	STU4GRMRW
8GB	STU8GRMBK	STU8GRMBL	STU8GRMRR	STU8GRMRW
16GB	STU16GRMBK	STU16GRMBL	STU16GRMRR	STU16GRMRW
32GB	STU32GRMBK	STU32GRMBL	STU32GRMRR	STU32GRMRW

TSP
Capacity: 2GB - 64GB
Dimension: 60 x 20 x 9.7 mm

Ordering Information

Capacity	Black	White	Red
2GB	STU2TSP-K	STU2TSP-W	STU2TSP-R
4GB	STU4TSP-K	STU4TSP-W	STU4TSP-R
8GB	STU8TSP-K	STU8TSP-W	STU8TSP-R
16GB	STU16TSP-K	STU16TSP-W	STU16TSP-R
32GB	STU32TSP-K	STU32TSP-W	STU32TSP-R
64GB	STU64TSP-K	STU64TSP-W	STU64TSP-R

CSB - SwitchBlade
Capacity: 2GB - 16GB
Dimension: 54 x 18 x 9 mm

Ordering Information

Capacity	Black	Red	White
2GB	STU2GSBK	STU2GSBR	STU2GSBW
4GB	STU4GSBK	STU4GSBR	STU4GSBW
8GB	STU8GSBK	STU8GSBR	STU8GSBW
16GB	STU16GSBK	STU16GSBR	STU16GSBW
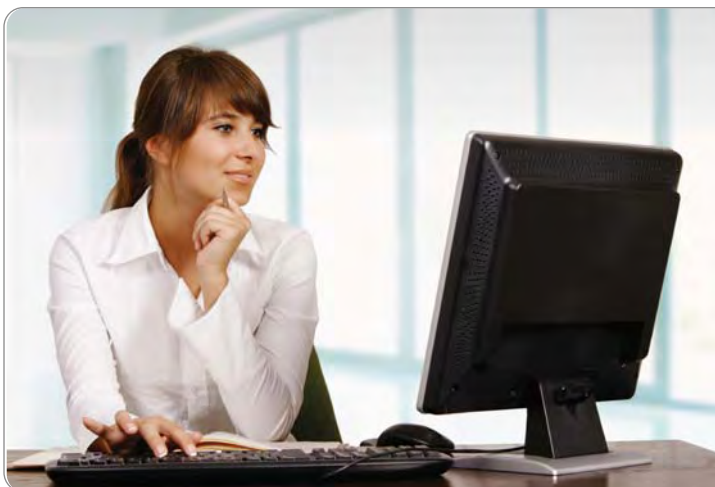
RM2
Capacity: 2GB - 32GB
Dimension: 61 x 19 x 11.6 mm

Ordering Information

Capacity	Black	Blue	Red	White
2GB	STU2GRM2-K	STU2GRM2-B	STU2GRM2-R	STU2GRM2-W
4GB	STU4GRM2-K	STU4GRM2-B	STU4GRM2-R	STU4GRM2-W
8GB	STU8GRM2-K	STU8GRM2-B	STU8GRM2-R	STU8GRM2-W
16GB	STU16GRM2-K	STU16GRM2-B	STU16GRM2-R	STU16GRM2-W
32GB	STU32GRM2-K	STU32GRM2-B	STU32GRM2-R	STU32GRM2-W

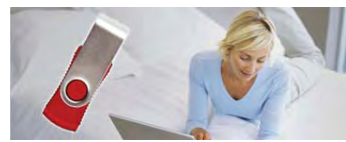# Custom USB Drives   *Your logo on it!!*

We specialize in custom services for USB drives including:

- Custom Logo Printing
- Custom Packaging
- Preloaded Software
- Auto-play feature
- Custom Casing Color or Casing Design.
- AES-256 Encryption Options
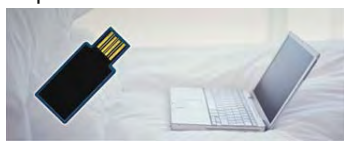
Large selection of Custom USB Drives

Swivel Series

Retractable Series

Traditional Case Series

Super Slim Series

Rubber Series

Special Edition Series

Choose a USB drive from our extensive collection...

We have developed a simple quote process that will help you find the USB drive that fits your needs. It's as easy as 1,2,3.
Visit our website.   http://www.supertalent.com/custom

1. Create it
- Choose a USB drive from our extensive collection.
- Design your own custom USB drive.

2. Customize it
- Put your logo on it! Upload your logo and we'll create a proof to show you how it will look on the flash drive of your choice.
- Send us your files and we can deliver your drives pre-loaded with your content.

3. Order it
- Further customize by choosing several more options.
- Request a quote and one of our friendly sales staff will call you to verify your needs. We work with you to deliver your custom USB drives to you promptly.

Flash Media Cards

Super Talent offers a full range of Flash media cards to suit all your mobile storage needs. These products have been tested extensively to ensure compatibility with every conceivable consumer gadget. These cards are all backed with Super Talent's 1-year warranty.

MicroSDHC Cards   Capacity: 32GB, 16GB, 8GB,4GB

Features:
- Power requirements: 2.7V to 3.6V.
- Operating temperature: -25° to 85° C.
- Dimensions (approx.): 15 x 11 x 1mm
- Weight: 0.5g.
- Warranty: 1 Year.
- Optional SD adapter for use in SD devices.

MicroSD Cards   Capacity: 8GB, 4GB,2GB,1GB

Features:
- Power requirements: 2.7V to 3.6V.
- Operating temperature: -25° to 85° C.
- Dimensions (approx.): 15 x 11 x 1mm
- Weight: 0.5g.
- Warranty: 1 Year.
- Optional SD adapter for use in SD devices.

SDHC Cards
Capacity: 32GB,16GB,8GB,4GB

Features:
- Erase protection switch to prevent accidental deleting of data.
- Operating shock rating of 2,000Gs - impact-resistance.
- Power requirements: 2.7V to 3.6V.
- Dimensions (approx.): 32 x 24 x 2.1mm
- Weight: 2.0g (max.).
- Power consumption: Active < 35mA; Standby < 100uA .
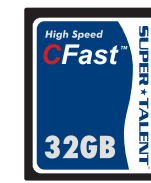- Operating temperature: -25° to 85° C.
- Warranty: 1 Year.

SD Cards
Capacity: 4GB,2GB,1GB

Features:
- Erase protection switch to prevent accidental deleting of data.
- Operating shock rating of 2,000Gs - impact-resistance.
- Power requirements: 2.7V to 3.6V.
- Dimensions (approx.): 32 x 24 x 2.1mm
- Weight: 2.0g (max.).
- Power consumption: Active < 35mA; Standby < 100uA .
- Operating temperature: -25° to 85° C.
- Warranty: 1 Year.

CF Cards

### CF Cards 600X PRO
90 Read / 90 Write (MB/s)

• CFast
Capacity: 64GB, 32GB, 16GB

- Seq. Read & Write speed: 120MB/s, 90MB/s
- Operating shock rating of 1600Gs – 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
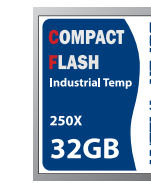- SATA II 3Gbps interface

• High Speed CF Cards
Capacity: 64GB, 32GB,16GB, 8GB, 4GB, 2GB
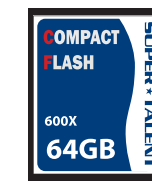
- Operating shock rating of 1600Gs - impact-resistance.
- Speed 600x, 533x, 450x, 350x, 80x
- Power requirements: 3.3V or 5.0V.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max.).
- Warranty: 1 Year.

• 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.

Super Talent Excels at
OverClocking Memory

- *Up to 2400 MHz Clock Speeds*
- *XMP-pre-tuned for Low Latencies*
- *8GB Dual-and 12GB,24GB Triple-Channel Kits*

Super Talent understands your need for speed. Our Overclocking Memory excels in engineering design on all fronts. Our DDR3 memory is tuned to speeds of up to 2400MHz and are optimized for dual and triple channel kits for capacities of up to 16GB. Rigorously tested on the latest gamer and PC enthusiast motherboards, you'll notice the difference in a flash.

Features
- Exceptional speeds
- Reliable
- Aggressively tuned latencies
- Efficient
- High capacities
- Superior heat dissipation

Speed Series
Our fastest DDR3 ever

Performance Series
Designed for Core i7

Chrome Series
Optimized for triple channel configurations

Gold series
Advanced heat dispersion

Project X series
Performance with the best cooling solution

Super Talent Designs
latest DRAM Memory...

✔ **Server Memory**   ✔ **Desktop Memory**   ✔ **Laptop Memory**   ✔ **Apple Memory**

Our selection includes:
- DDR, DDR2, DDR3
- RDIMM, ECC UDIMM, VLP UDIMM, SODIMM
- Space and material saving modules
- Low power consumption modules starting at 1.35V
- Speeds from 1333MHz and 1600MHz to 2400MHz
- Sizes from 1GB to 16GB and available in dual and triple channel kits

We test for:
- Compliance with JEDEC standards
- Apple compatibility by verifying with the latest Apple products
- The highest performance at the lowest latencies Reliability under stress

Server Memory
- 1GB, 2GB, 4GB, 8GB,16GB ECC Registered DIMMs
- 1GB, 2GB, 4GB, 8GB ECC Unbuffered DIMMs
- Ultra-Reliable-Ideal for Mission- Critical Servers

Desktop Memory
- DDR1, DDR2, DDR3
- DIMM modules up to 4GB, 8GB
- Dual and Triple Channel Kits
- Available with or without ECC exceptional thermal dissipation

Laptop Memory
- DDR, DDR2, DDR3
- SO-DIMM module up to 8GB
- JEDEC Compliant
- 100% Tested

Apple® Memory
- 1GB and 2GB DDR3-1066 SO-DIMMs for MacBook Pro, Mac mini, iMac
- 1GB and 2GB DDR3-1066 ECC Unbuffered DIMMs for Mac Pro
- Certificated in Apple Compatibility Labs

Do more with less.
Green Memory

- Fully JEDEC compliant
- 100% Tested to ensure optimum quality
- DDR, DDR2 & DDR3 DIMMs in capacities up to 16GB
- Very Low Profile modules (0.72" tall)
- DDR3 DIMMs offer 1.35V backward compatible to 1.5V

Leading studies suggest that the explosive growth we've seen in computing power has been matched by growing power demands and cooling costs. Experts predict that power-related costs within the data center will soon be larger than the IT equipment cost contained within them. The realization that power demands have been running largely unchecked has created a new movement within the computing industry, that of "Green IT". We, at SuperTalent, want to go beyond being a DDR3 manufacturer by supporting the effort and creating a comprehensive line of "Green Memory".

DDR3 RDIMM

## DDR3 ECC UDIMM

DDR2 RDIMM

DDR3 SODIMM

Our Green Memory:
- Uses less voltage – Needs 1.35V
- Has a smaller form factor - Only 0.72" tall
- Requires less cooling
- Performs more efficiently
- Runs at higher speeds – Up to 1600MHz

New type of Memory -
Offering twice the data rate of its predecessor, DDR3 also typically uses 30% less power.

Up to 50% Fewer Watts/ GB	20 to 25% Less Voltage
DDR2 DDR3 DDR3(1.35V)	DDR2 DDR3 DDR3(1.35V)
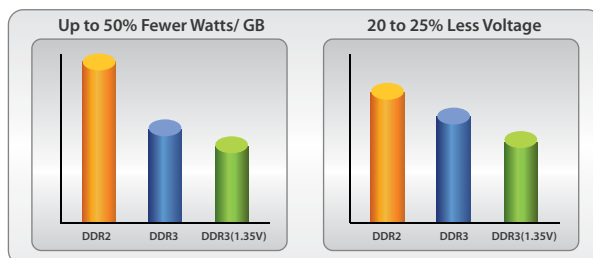
Apple® Memory

Super Talent has Apple-approved DIMMs!

Super Talent memory modules are designed for 100% compatibility with the latest Mac computers. Super Talent tests its memory on all the leading Apple systems in Apple's certification labs.

DDR3 Apple-approved DIMM

Mac Mini
(1.66/1.83GHz, Core2 Duo 2.0/2.26GHz)
1GB, 2GB DDR3 SODIMM

Mac Pro
(Quad-Core & 8-Core)
1GB, 2GB, 4GB DDR3 ECC

iMac
(iMac Intel Core2 Duo 20/24/27-inch DDR3)
1GB, 2GB, 4GB DDR3 SODIMM

13" MacBook Pro
(MC700, MC724)
2GB, 4GB DDR3 SODIMM

15" MacBook Pro
(MC721, MC723)
2GB, 4GB DDR3 SODIMM

17" MacBook Pro
(MC725)
2GB, 4GB DDR3 SODIMM

DDR2 Apple-approved DIMM

MacBook/ MacBook Pro/ iMac G5
1GB, 2GB DDR2 SODIMM

Guaranteed 100% Compatible!

Check your system's user manual to find out the allowed maximum memory and the type that is supported. To maximize your Mac's performance, using more memory is better.

Choosing Super Talent's Apple approved DIMMs guarantees compatibility to your Mac system.