

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
- Korea
- Japan

- 🏢 Headquarters
- 👤 Sales Representative
- 🏠 Sales, Warehouse
- 🛒 Sales, Purchasing
- 🏭 Factory



SUPER TALENT[®]
THE BEST MEMORY

www.supertalent.com

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2010 Product Overview

SUPER TALENT[®]
THE BEST MEMORY

Super Speed

USB 3.0 Flash Drive

- RAIDDrive™ - Transfer speeds over 300MB/sec!
- SuperCrypt™ - Ultra-fast & Hardware Encrypted
- Express™ Drive - Balanced Performance: Fast, Small, Affordable



Save Time.
Save Money.
Save the Planet.
Do all Three!



"Go Green" with Super Talent

Computing alternatives increase performance and reduce costs

Sometimes doing the right thing is hard; here's one that's easy: New computing technology that increases system performance while reducing your CO2 footprint.

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, create and sell a series of SSD & DDR3 memory products that support this effort and we want to spread the word about other solutions within our industry they can be used in to create an even better complete solution. As we upgrade our data centers to Windows 7, keep an eye out for these new technologies that not only reduce power requirements but increase performance as well.

Green DDR3

- Higher Efficiency vs DDR2
- 2X Faster
- 20 - 50% Power Savings
- Lower cooling costs
- Lower TCO vs DDR2



Green Storage

- SSDs use a fraction the power of HDDs
- SSDs transfer data in half the time
- Super Talent SSDs are RoHS compliant
- Lead and mercury free



FLASH PRODUCTS

- Solid State Drives 3
 - Enterprise Server, Laptop/Desktop, Industrial/Military
- STT USB Drives 11
 - USB 3.0 Series, Pico Series, Elite Series, Eco Series
- Custom USB Drives 17
 - Rubber Case, OEM USB Drives
- Flash Media Cards 19
 - MicroSDHC Cards, MicroSD Cards, SDHC Cards, SD Cards

MEMORY PRODUCTS

- Desktop Memory 20
 - Unbuffered DDR3, Unbuffered DDR2
- Server Memory 21
 - DDR3 RDIMM, DDR3 ECC UDIMM, ECC Registered DDR2, ECC Registered DDR2 VLP
- Overclocking Memory 23
 - Speed Series DDR3, Performance Series DDR3, Chrome Series DDR3, Gold Series DDR3
- Laptop Memory 25
 - DDR3 SO-DIMMs, DDR2 SO-DIMMs
- Apple Memory 26
 - Mac DDR3, Mac DDR2

* 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

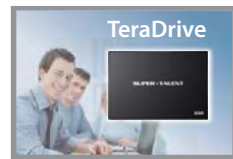
Solid State Drives:
7,243,185 ; 6,547,130 ; 6,874,044 ; 7,004,780 ; 7,082,056 ; 7,073,010 ; 7,104,807 ; 7,126,873 ; 7,130,958 ; 7,243,185 ; 7,257,714 ; 7,299,316 ; 7,318,117

* 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 ; 1252,981 ; 1264,152 ; 1264,678

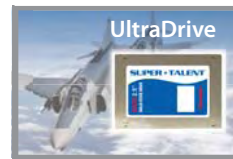
* China Patents:
107,391 ; 255,645

Solid State Drives ST SSDs The Broadest Portfolio in the Industry...

Enterprise Server



Laptop / Desktop



Industrial / Military



- 100% compatible with standard hard drives
- High speed performance
- Access time 0.1ms
- MTBF > 1,000,000 hours
- Silent, no moving parts

- Tested hardware and software compatibility
- Rugged and reliable
- Minimum 10 year data retention
- Ultra low power consumption

Enterprise Server Server, Workstation, Extreme Performance

RAIDDrive SSDs

RAIDDrive is designed to break the throughput bottleneck in the storage subsystem by removing the bandwidth limitation of the SATA bus. The PCIe x8 interface used by RAIDDrive SSDs supports 2GB/sec bandwidth, three to five times faster than SATA.

Using patent pending RAID architecture that is optimized for NAND flash memory, RAIDDrive is able to support burst read speeds of up to 1.4GB/sec. A turbocharged cache system with up to 512MB of DRAM cache enables burst write speeds as fast as 1.2GB/sec. RAIDDrive, which houses four discrete SATA SSDs, comes in a custom aluminum enclosure measuring 255 x 107 x 25.4 mm. Higher capacity RAIDDrive models use the RAIDDrive Expander - a separate PCIe card - to hold a total of eight SATA SSDs.



Features

- High IOPS: 80,000 (based on 4KB Sequential Read/Write)
- Factory configured RAID level 0 or 5
- Instant Availability and background initialization
- Greater than 2TB per volume set (64bit LBA support)
- Built-in error detection and correction
- Minimum 10-year data retention
- Field-Upgradeable firmware in flash ROM
- Bootable in Windows®



RAIDDrive ES - Enterprise Servers performing compute intensive applications such as database transaction processing, business intelligence, and virtualization. Has battery backup to save data in cache in the event of power loss.

RAIDDrive WS - Workstation users performing tasks including rendering, animation, video editing, oil and gas exploration, CAD/EDA simulation, and scientific computing.

RAIDDrive GS - MLC Solution uses low-cost MLC flash to reach lower price points, without sacrificing performance.

Architecture

- Intel 1.2GHz IOP348 IO Processor with SAS controller
- On-board DDR2 SDRAM cache with ECC protection
- Write back cache support
- Supports up to 2TB capacity
- NVRAM for RAID configuration & transaction log
- Redundant flash image for adapter availability

Specification	RAIDDrive ES	RAIDDrive WS	RAIDDrive GS
Interface	x8 PCIe	x8 PCIe	x8 PCIe
Form Factor	PCIe	PCIe	PCIe
Capacities	256GB - 1TB	256GB - 1TB	256GB - 2TB
NAND Flash	SLC	SLC	MLC
Performance	Access Time	0.1ms	0.1ms
	Read/Write (MB/sec)	1400/1200	1400/1200
Burst Speed	1400/1200	1400/1200	1400/1200
RAID Function	0/5	0/5	0/5
RAID Cache Size	512MB	512MB	512MB
Data Reliability	EDC/ECC	EDC/ECC	EDC/ECC
Supports RD Expander	Yes	Yes	Yes
Battery Backup	Yes	No	No
MTBF	>1,500,000 hrs	>1,500,000 hrs	>1,500,000 hrs
Dimension	mm	255 x 107 x 25.4	255 x 107 x 25.4
Warranty	2 years	2 years	1 year
Part Number	RESxxxx	RWSxxxx	RG5xxxx

* Based on CrystalDiskMark v.2.2 and Asus M2N-E Motherboard. Performance may vary. Usable capacity is less than specified after formatting. Windows is a registered trademark of Microsoft.

TeraDrive SSDs

TeraDrive™ SSDs are the new pinnacle of performance in enterprise storage. The TeraDrive FT2 is based on the advanced new SandForce™ SF-1500 SSD processor. It is designed to deliver exceptional performance, both sequentially and randomly, over the life of the drive with no performance degradation over time. Supporting up to 50,000 random read and write IOPS, the TeraDrive FT2 is ideal for use in database servers.

The TeraDrive FT2 features RAISE™ technology for enhanced reliability and DuraWrite™ technology for significantly increased endurance, state-of-the-art wear leveling, bad block management, and excellent ECC with up to 24 symbols correctable per 512 byte sector. Set to revolutionize enterprise storage, the TeraDrive FT2 is available with either MLC or SLC NAND flash, and is offered in capacities from 50GB to 200GB.

Features

- Up to 275 Read, 260 Write (MB/sec)
- Impressively fast Random R/W Speeds
- 50GB, 100GB, 200GB Capacities



Specification	TeraDrive FT	TeraDrive FT2
Interface	Serial ATA-II 3Gbps	Serial ATA-II 3Gbps
Form Factor	2.5"	2.5"
Capacities	50GB, 100GB, 200GB	50GB, 100GB, 200GB
NAND Flash	MLC	MLC/SLC
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	275/260
Internal Cache Size	N/A	N/A
Power Supply	5V ± 5%	5V ± 5%
Reliability	MTBF	>1,000,000 hrs
Noise	Active	>1,000,000 hrs
Dimension	mm	69.85 x 100.20 x 9.50 mm
Warranty	2 years	2 years (MLC) 3 years (SLC)
Part Number	FTMxxFT25H	FTMxxF225H (MLC) FTDxxF225H (SLC)



UltraDrive SSDs

UltraDrive SSDs are the best of the best in storage. Whether your application is enterprise storage requiring exceptional transaction speeds, or high performance mobile computing for intensive multitasking, or highly secure data storage for confidential information, Super Talent has you covered with an UltraDrive SSD that is ideal for your needs.

These 2.5-inch SATA drives all incorporate the latest reliability features including ECC, wear leveling and bad bit management to ensure reliable performance over the life of the drive. They also offer excellent resistance to shock, vibration and dust. Their industry standard form factor makes integration into servers, desktops and laptops a breeze.



UltraDrive GX

The UltraDrive GX delivers lightning fast sequential transfer speeds which means your system will boot up and load applications dramatically faster than with an HDD. The GX also keeps your data safer with no moving parts and excellent resistance to drop, shock and vibration.

UltraDrive GX2

Our most popular SSD to date, the UltraDrive GX2 has won accolades from the press and customers alike. The GX2 is a tried and proven product that is both reliable and fast. It features 64MB of DRAM cache and the latest ECC, wear leveling and bad bit management technologies.

UltraDrive DX

The UltraDrive DX, based on Toshiba technology, includes advanced security features that make it the best storage solution for mobile computers that process sensitive confidential data. Password protection with an encrypted password blocks malicious hackers from accessing your critical data in the event your laptop is lost or stolen. For an added level of data security the DX also uses new hardware data randomization technology to prevent unauthorized copying of blocks of data.

Specification	UltraDrive GX	UltraDrive GX2	UltraDrive DX	
Interface	SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s	
Form Factor	2.5" HDD	2.5" HDD	2.5" HDD	
Capacities	32GB - 256GB	32GB - 512GB	64GB - 512GB	
NAND Flash	MLC/SLC	MLC	MLC	
Performance	Access Time	0.1ms	0.1ms	0.2ms
32GB	Read/Write (MB/sec)	230/170 (SLC) 230/160 (MLC)	200/130	N/A
64GB	Read/Write (MB/sec)	260/210 (SLC) 230/180 (MLC)	200/130	230/180
128GB	Read/Write (MB/sec)	260/210 (SLC) 260/195 (MLC)	220/180	230/180
256GB	Read/Write (MB/sec)	N/A (SLC) 260/200 (MLC)	230/180	230/180
512GB	Read/Write (MB/sec)	N/A	230/180	230/180
Internal Cache Size	64MB	64MB	128MB	
Power Supply	5V ± 5%	5V ± 5%	5V ± 5%	
Environment	Vibration	16G	16G	16G
	Shock	1500G	1500G	1500G
	Op Temperature	0-70 °C	0-70 °C	0-70 °C
	MTBF	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs
Reliability				
Noise	Active	0dB	0dB	0dB
Dimension	mm	100.2 x 69.9 x 9.5	100.2 x 69.9 x 9.5	100.2 x 69.85 x 9.5
Warranty		3 years (SLC) 2 years (MLC)	2 years (MLC)	1 year
Part Number		FTDxxGX25H (SLC) FTMxxGX25H (MLC)	FTMxxG225H (MLC)	FTMxxDX25T

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.

Garbage Collection and TRIM Support



Garbage Collection is an odd term for a utility that erases deleted files from the SSD. Garbage collection basically does the same thing as a wiper utility, except that runs in the background, normally when the SSD is inactive. Garbage collection will keep the SSD's performance fresh without the need for manual execution. Garbage collection utilities, like wiper utilities, have to be developed for specific controller/firmware combinations, meaning that different SSDs require different garbage collection utilities.



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.

Awards & Press Quotes

The SuperTalent UltraDrive GX scored consistently high in our testing, high enough that we can say, with confidence that it's the fastest single drive we've tested to date. -Bjorn3D

The raw speed and consistent performance of the SuperTalent UltraDrive is so high that no traditional platter drive stands a chance of keeping up with it. -Bjorn3D

The UltraDrive GX from Super Talent delivers a very high transfer performance for a low price. - PC Welt



VSSDs

Super Talent VSSD brings performance and solid-state technology together at an incredible price. By upgrading to VSSD from traditional harddisk, shorter OS booting up time, faster application loading, less system power consumption can be expected. It takes full advantage of the 3Gbps SATA-II bandwidth. The VSSD is capable of sequential read speeds up to 150 MB/sec and sequential write speeds up to 100 MB/sec. 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. Customer now can build up system in a money-saving way, running operating system and applications on SSD and storing data on traditional hard-disk.



Specification	Value SSD	
Interface	Serial ATA-II 3Gbps	
Form Factor	2.5" HDD	
Capacities	8G, 16GB, 32GB, 64GB	
NAND Flash	MLC	
Performance	Access Time	0.1ms
8GB	Read/Write (MB/sec)	90/30
16GB	Read/Write (MB/sec)	90/30
32GB	Read/Write (MB/sec)	150/60
64GB	Read/Write (MB/sec)	150/100
Internal Cache Size	N/A	
Power Supply	5V ± 5%	
Reliability	MTBF	>1,000,000 hrs
Noise	Active	0dB
Dimension	mm	100.2 x 69.9 x 9.5 mm
Warranty		2 years
Part Number		FTMxxGL25V



MasterDrive SSDs

Super Talent's MasterDrive series SSD brings the solid state drive to a whole new audience. No longer just for the military, enterprise and elite users, the MasterDrive Series SSD is truly affordable. And Super Talent doesn't strip out features to bring down the price. Models can include no-compromise features like SATA-II technology for exceptionally fast read speeds of up to 230MB/sec, and the same resistance to shock and vibration as all Super Talent's SSDs. MasterDrive SSDs deliver the performance and reliability today's mobile enthusiasts demand. Super Talent's Flash management techniques increase reliability and endurance, and continue to provide unprecedented vibration and shock tolerance. Our software and hardware testing ensures the utmost quality of each MasterDrive SSD.



Netbook SSDs

Super Talent produces a selection of SSDs designed specifically for upgrades of popular netbook models. Upgrading the SSD in a netbook is by far the fastest, easiest and most economical way to boost performance and get more utility from the netbook. These netbook SSDs offer dramatically faster bootup and application load speeds compared to default SSDs or HDDs. They also have outstanding reliability, lower power consumption and are completely silent.



Specification	MasterDrive SX	MasterDrive GL	MasterDrive GF	MasterDrive KX2	MasterDrive EX2	MasterDrive IX2
Interface	SATA 3Gb/s (SATA-II)	SATA 3Gb/s (SATA-II)	IDE ZIF	SATA 3Gb/s (SATA-II)	IDE/PATA	IDE/PATA
Form Factor	2.5"	2.5"	1.8"	1.8"	2.5-inch	2.5-inch
Capacities	64GB-256GB	16GB - 256GB	32GB-128GB	16GB - 128GB	16GB - 128GB	16GB - 64GB
NAND Flash	MLC	MLC/SLC	MLC	MLC/SLC	MLC	SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	220/200	150/100 (MLC) 170/130 (SLC)	80/40	200/130 (MLC) 200/140 (SLC)	80/40
Internal Cache Size	128MB	N/A	N/A	64MB	N/A	N/A
Power Supply	5V ± 5%	5V ± 5%	3.3V ± 5%	3.3V ± 5%	5V ± 5%	5V ± 5%
Environment	Vibration	16G	16G	16G	16G	16G
	Shock	1500G	1500G	1500G	1500G	1500G
	Operating Temp	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C
Reliability	MTBF	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs
Noise	Active	0dB	0dB	0dB	0dB	0dB
Dimension	mm	100.2 x 69.9 x 9.5	100.2 x 69.9 x 9.5	71.2 x 54.2 x 5.0	78.5 X 54.0 X 5.0	100.2 x 69.9 x 9.5
Warranty		1 year	2-3 years	1 year	2 years	3 years
Part Numbers		SAMxxGM25S	FTMxxGL25H (MLC) FTDxxGL25H (SLC)	FZMxxGF18H	FUMxxG218H (MLC) FUDxxG218H (SLC)	FHMxxGF25H

Specification	SATA Mini 2 PCIe	SATA Mini PCIe	Mini PCIe	1.3" IDE ZIF	Half Mini 2 PCIe	Half Mini PCIe	DW Half Mini 2 PCIe
Interface	SATA 3Gb/s (SATA-II)	SATA 3Gb/s (SATA-II)	Custom IDE/PATA	IDE/PATA	Custom IDE/PATA	Custom IDE/PATA	Custom IDE/PATA
Form Factor	Mini PCIe	Mini PCIe	Mini PCIe	1.3" ZIF	Half miniPCIe	Half miniPCIe	DW Half miniPCIe
Capacities	16-128GB(MLC) 16-32GB(SLC)	16-128GB(MLC) 16-32GB(SLC)	8-64GB(MLC) 8-32GB(SLC)	8-32GB(MLC)	16-32GB(MLC) 8-16GB(SLC)	16-32GB(MLC) 8-16GB(SLC)	64-128GB(MLC) 32-64GB(SLC)
NAND Flash	MLC/SLC	MLC/SLC	MLC/SLC	MLC	MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	150/100	90/55	40/15	80/40	80/40	80/40
MLC	Read/Write (MB/sec)	170/130	95/90	40/28	N/A	80/60	40/28
SLC	Read/Write (MB/sec)	170/130	95/90	40/28	N/A	80/60	40/28
Netbook Compatibility	Asus Eee PC 900, 900A, 901, S101	Asus Eee PC 900, 900A, 901, S101	Asus Eee PC 70x, 90x, 1000	Acer Aspire 1	Dell Inspiron Mini 9	Dell Inspiron Mini 9	Dell Inspiron Mini 9
Dimension	mm	32.1 x 69.5	32.1 x 69.5	32.1 x 69.5	32.1 x 54.1	30 x 51	32.1 x 51
Warranty		2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)	2 years(MLC) 3 years (SLC)
Part Numbers	FPMxxGLSE (MLC) FPDxxGLSE (SLC)	FPMxxGRSE (MLC) FPDxxGRSE (SLC)	FPMxxGHAE (MLC) FPDxxGHAE (SLC)	FEMxxGF13M	FEMxxGFDL (MLC) FEDxxGFDL (SLC)	FEMxxGHDL (MLC) FEDxxGHDL (SLC)	FDMxxGFDL (MLC) FDDxxGFDL (SLC)

DuraDrive SSDs

Super Talent's DuraDrive SSDs are the next generation product for data storage since they are genuinely state-of-the-art vibration and shock tolerant and operate in either a commercial temperature range of 0°C - 70°C or an industrial temperature range of -40°C to 85°C. Users will experience enhanced system performance and increased durability and reliability when incorporating the DuraDrive SSD in applications that come across environments with severe conditions.



DuraDrive AT Ultra Rugged SATA-I SSDs

Specification:	DuraDrive AT SATA 18	DuraDrive AT SATA 25	DuraDrive AT SATA 35
Form Factor	1.8"	2.5"	3.5"
Capacities	8-64GB	8-128GB	16-256GB
Performance	Read/Write (MB/sec) 65/50	65/50	65/50
Dimension	mm 69.9 x 60 x 9	69.9 x 100.2 x 9.5	101 x 145 x 14
Part Number	FSDxxGC18I	FSDxxGC25I	FSDxxGC35I

DuraDrive ET Ultra Rugged IDE SSDs

Specification:	DuraDrive ET IDE 13	DuraDrive ET IDE 18	DuraDrive ET IDE 25
Form Factor	1.3"	1.8"	2.5"
Capacities	8-32GB	8-64GB	16-128GB
Performance	Read/Write (MB/sec) 65/50	65/50	65/50
Dimension	mm 50.5 x 46.5 x 8.9	69.9 x 60 x 7.5 (9.6)	60.9 x 100.2 x 7.5 (12.5)
Part Number	FHDxxGC13I	FHDxxGC18I	FHDxxGC25I

FDM Flash Disk Module

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. Add extra storage to embedded systems with our Flash Disk Modules (FDMs). I-temp available by request.

IDE Flash Disk Modules

	40-pin IDE FDM Horizontal	40-pin IDE FDM Vertical	44-pin IDE FDM Horizontal	44-pin IDE FDM Vertical
Specification				
Interface	IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Capacity	2-32GB (ver 1.0) 4-32GB (ver 2.0)	2-32GB (ver 1.0) 4-32GB (ver 2.0)	2-32GB (ver 1.0) 4-32GB (ver 2.0)	2-32GB (ver 1.0) 4-32GB (ver 2.0)
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) 30/15 (ver 1.0) 80/40 (ver 2.0)	30/15 (ver 1.0) 80/40 (ver 2.0)	30/15 (ver 1.0) 80/40 (ver 2.0)	30/15 (ver 1.0) 80/40 (ver 2.0)
SLC	Read/Write (MB/sec) 30/30 (ver 1.0) 80/60 (ver 2.0)	30/30 (ver 1.0) 80/60 (ver 2.0)	30/30 (ver 1.0) 80/60 (ver 2.0)	30/30 (ver 1.0) 80/60 (ver 2.0)
Power Supply	5V ± 5%	5V ± 5%	5V ± 5%	5V ± 5%
Operating Temperature	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C
Dimension	mm 49.5 x 31.0	58.2 x 33.6	49.5 x 31.0	55.8 x 33.0
Warranty	2 years (MLC) 3 years (SLC)	2 years (MLC) 3 years (SLC)	2 years (MLC) 3 years (SLC)	2 years (MLC) 3 years (SLC)
Part Number (Ver2.0)	SFxxBxF41 (MLC) SFxxAxF41 (SLC)	SFxxBxF40 (MLC) SFxxAxF40 (SLC)	SFxxBxF45 (MLC) SFxxAxF45 (SLC)	SFxxBxF44 (MLC) SFxxAxF44 (SLC)

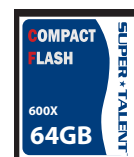
SATA Flash Disk Modules

	7-pin SATA FDM	22-pin SATA Horizontal	USB FDM
Specification			
Interface	SATA 3Gb/s (SATA-II)	SATA 3Gb/s (SATA-II)	USB 2.0
Capacity	8-64GB	4-64GB	4-16GB
NAND Flash	MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time 0.1ms	0.1ms	0.1ms
Performance	Read/Write (MB/sec) 100/40 (MLC) 100/60 (SLC)	100/40 (MLC) 100/60 (SLC)	25/10 (MLC) 32/29 (SLC)
Power Supply	5V ± 5%	5V ± 5%	5V ± 5%
Operating Temperature	0°C - 70°C	0°C - 70°C	0°C - 70°C
Dimension	mm 55 x 33	55.2 x 30	35 x 21.2(ver), 46 x 19(Hor)
Warranty	3 years	2 years (MLC) 3 years (SLC)	2 years (MLC) 3 years (SLC)
Part Number	SMxxAxR7R(SLC-Right) SMxxAxR7L(SLC-Left) SMxxBxR7R(MLC-Right) SMxxBxR7L(MLC-Left)	SMxxBxR2H (MLC) SMxxAxR2H (SLC)	FLMxGQ09x (MLC) FLDxGQ09x (SLC)

CF Cards

• 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.
- Power consumption: Active ~ 60mA.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max).
- Operating temperature: 0° to 70° C.
- 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.
- Power consumption: Active ~ 60mA.
- 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

Capacity: 32GB, 16GB, 8GB

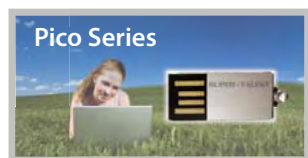


- Seq. Read & Write speed: 120MB/s, 90MB/s
- Operating shock rating of 2000Gs - impact-resistance.
- Power requirement: 3.3V.
- Supports ATA command set.
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm.
- Weight: 13g (max).
- Operating temperature: 0°C - 70°C
- Warranty: 1 Year
- Serial ATA 3Gbps interface

STT USB Drives



- USB3.0 RAIDDrive
- USB3.0 SuperCrypt
- USB3.0 Express Drive



- Pico USB Drives
- Pico mini USB Drives



- LUXIO
- Elite Swivel
- Godfather
- Nickel Metal
- Twist CRR



- Eco Swivel
- CSB - SwitchBlade
- Duo
- CTS - Top Slider
- TSP
- SSP

USB 3.0 Series Extreme Performance Flash Drives

Zero Limits with USB 3.0 - Until now, you had to give up Performance for Portability or Compatibility for real Security, but with the introduction of USB 3.0, now you can have it all; the performance of an SSD, the security of AES Hardware Encryption while retaining full backward compatibility with the millions of USB 2.0 ports already on the market.

USB 3.0 RAIDDrive™

Our USB 3.0 RAIDDrive is unquestionably one of the fastest drives on the market today; even faster than the fastest internal SSD. Available in 32, 64 and 128GB capacities, our USB 3.0 RAIDDrive is actually two SSDs combined together in RAID 0 array. This means that we are able to pull data from two drives simultaneously. Supported by a caching system, each SSD controller is able to deliver true performance across the entire performance curve.



"[It] is the fastest USB device that we have ever benchmarked in the history of the site."



Features:

- USB 3.0 Interface for unprecedented speed
- Compatible with USB 3.0 & USB 2.0 standards
- Highly Reliable MLC NAND Flash

Device	USB 3.0 RAIDDrive
Physical Specification	
Interface	USB 3.0
Capacity	32GB - 128GB
NAND Flash	MLC
Dimensions	95 x 34 x 15.4 mm
Performance Specification	
Seq. Read*	320 MB/s
Seq. Write*	180 MB/s
OS Support	Windows XP, Vista, Window 7 (32/64-bit)
Reliability Specification	
MTBF	1,000,000 hours
Data Retention	10 years
Data Reliability	Built-in EDC/ECC
Security	N/A
Environmental Specification	
Shock	1500G, 3 axis
Vibration	16G, each axis
Operting Temperature	0°C to +70°C
Internal Cache Size	64MB
Warranty	2 years
Part Numbers	ST3U32SRK ST3U64SRK ST3U28SRK

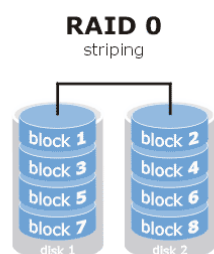
* Performance varies depending on drive capacity, system configuration, application and other factors. Usable capacity is less than specified after formatting.

Applications:

- Creative Professional Market
 - AutoDesk: AutoCad, Maya, 3DS Max, Inventor
 - Adobe: Photoshop, Illustrator, Light Room, Premier
- Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™

Customer Benefits :

- Ultra-fast disk space
- Portability & Compatibility
- Improved System performance



USB 3.0 SuperCrypt™

Our USB 3.0 SuperCrypt™ is a single SSD drive which includes hardware encryption and a caching system. The standard version of our SuperCrypt drive is available in 16, 32, 64, 128 and 256GB capacities and includes AES 128-bit ECB hardware encryption. A Pro version of this drive is also available and includes the AES 256-bit XTS encryption standard.

Features:

- All data written to drive is automatically encrypted
- Secure partition locks upon removal
- Hardware Encrypted partition does not appear until password is authenticated
- 64MB Cache support elevates small block reads and writes
- Key is stored in hardware and never passed on the USB or System bus

Extraordinarily Fast Drives...



Device	USB 3.0 SuperCrypt Drive	USB 3.0 SuperCrypt PRO
Physical Specification		
Interface	USB 3.0	USB 3.0
Capacity	16 - 256GB	32GB - 256GB
NAND Flash	MLC	MLC
Dimensions	95 x 34 x 15.4 mm	95 x 34 x 15.4 mm
Performance Specification		
Seq. Read*	240 MB/s	240 MB/s
Seq. Write*	184 MB/s	184 MB/s
OS Support	Windows XP, Vista, Window 7 (32/64-bit)	Windows XP, Vista, Window 7 (32/64-bit)
Reliability Specification		
MTBF	1,000,000 hours	1,000,000 hours
Data Retention	10 years	10 years
Data Reliability	Built-in EDC/ECC	Built-in EDC/ECC
Security	128bit AES Hardware Encryption, ECB mode	256bit AES Hardware Encryption, XTS mode
Environmental Specification		
Shock	1500G, 3 axis	1500G, 3 axis
Vibration	16G, each axis	16G, each axis
Operting Temperature	0°C to +70°C	0°C to +70°C
Internal Cache Size	64MB	64MB
Warranty	2 years	2 years
Part Numbers	16GB - ST3U16SCS 32GB - ST3U32SCS 64GB - ST3U64SCS 128GB - ST3U28SCS 256GB - ST3U56SCS	32GB - ST3U32SPS 64GB - ST3U64SPS 128GB - ST3U28SPS 256GB - ST3U56SPS

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



"The Super Talent SuperCrypt was a dream to work with."

Applications:

- Security - Hardware Encrypted Storage
- General Use - external SSD Performance
- Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™

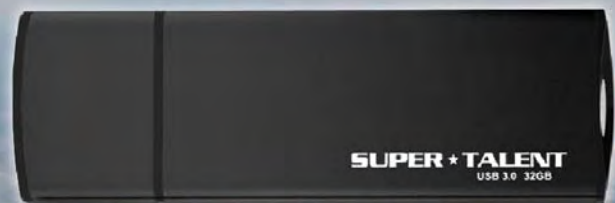


USB 3.0 Express™ Drive

The USB 3.0 Express Drive delivers the perfect balance of value and performance. This multi-channel flash design enables transfer speeds of up to 125MB/s; that's 4 times faster than the fastest USB 2.0 designs. And it's backward compatible with USB 2.0 as well.

Features:

- Anodized Aluminum Enclosure
- Outstanding Performance
- Full Compatibility with USB 3.0 and USB 2.0 spec
- Compact Size
- Affordable



Fully backward compatible to the USB 2.0 spec, the SuperTalent Express Drive not only functions as a USB 2.0 product but it performs by posting some scores unforeseen by any other USB 2.0 flash product.

Device	USB 3.0 Express Drive
Physical Specification	
Interface	USB 3.0
Capacity	16GB - 32GB
NAND Flash	MLC
Dimensions	67 x 27 x 7.5 mm
Performance Specification	
Seq. Read*	125 MB/s
Seq. Write*	42 MB/s
OS Support	Windows XP, Vista, Window 7 (32/64-bit)
Reliability Specification	
MTBF	1,000,000 hours
Data Retention	10 years
Data Reliability	Built-in EDC/ECC
Environmental Specification	
Shock	1500G, 3 axis
Vibration	16G, each axis
Operating Temperature	0°C to +50°C
Warranty	2 years
Part Numbers	ST3U16EDK ST3U32EDK

- Applications:**
- General Use
 - Movie Kiosk downloads
 - very fast data transfers
 - Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™

USB 3.0 Flash Drive Comparison

Drive	Test	USB 3.0		USB 2.0	
		Read(MB/s)	Write(MB/s)	Read(MB/s)	Write(MB/s)
USB 3.0 RAIDDrive™ 128GB	Sequential	317.8	160.9	43.67	36.33
	Random 512K	260.5	149.5	42.77	35.78
	Random 4K	13.89	15.28	7.037	7.067
USB 3.0 SuperCrypt™ Drive 256GB	Sequential	233.9	161.3	43.65	35.96
	Random 512K	174.2	165.1	43.23	35.24
	Random 4K	15.42	24.39	8.18	7.86
USB 3.0 Express™ Drive 32GB	Sequential	131	45.07	43.35	29.82
	Random 512K	126.8	19.08	42.62	15.46
	Random 4K	10.09	1.01	6.26	1.09

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

Pico Series

Simple Storage, Small Designs, Non-Speed Rated

PICO USB Drives

Pico Series USB drives are incredibly small and stylish Flash drives offering up to 32GB 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 wearing as a necklace.

Dimensions:

A = 38.7 x 12.4 x 3.9mm B = 31.8 x 18.8 x 4.4mm
C = 31.3 x 12.4 x 3.4mm D = 39.7 x 13.5 x 4.9mm
E = 34.8 x 15.8 x 5.2mm

Features:

- World's smallest 32GB USB drive
- Up to 200X transfer speed
- Water resistant
- Over 80 press awards to date



PICO A
- Swivel lid



PICO B
- Retractable



PICO C
- Ultra Small Capless.



PICO C Gold (24k gold plate)
- Ultra Small Capless.



PICO C Nickel
- Ultra Small Capless.



PICO D
- Swivel lid



PICO E
- Sliding lid



PICO E Gold (24k gold plate)
- Sliding lid



Ordering Information

	2GB	4GB	8GB	16GB	32GB
A	STU2GPAS	STU4GPAS	STU8GPAS	STU16GPAS	
B	STU2GPBS	STU4GPBS	STU8GPBS	STU16GPBS	
C	STU2GPCS	STU4GPCS	STU8GPCS	STU16GPCS	
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	

*US Patents # 6,547,130; 7,257,714; 7,103,684

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 up to 16GB.

Ordering Information

	Pico mini A	Pico mini B
2GB (Pink)	STU2GMAP	STU2GMBP
4GB (Green)	STU4GMAG	STU4GMBG
8GB (Blue)	STU8GMAB	STU8GMBB
16GB (Black)	STU16GMAK	STU16GMBK

Dimensions:

A: 31.8 x 15.0 x 3.2 mm
B: 30.5 x 15.4 x 3.4 mm

Pico mini A



Pico mini B



Elite Series

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

LUXIO

Compact Encrypted mobile Storage.

Luxio USB drives are first and foremost a sleek and classy mobile storage solution. But there's a lot more to Luxio than meets the eye. These small drives store up to 128GB of data -- as many as 40,000 six megapixel photos! With transfer rates as high as 200X (30MB/sec), copying files to and from the Luxio is a breeze. We also include AES-256 hardware Encryption with every Luxio drive, and a custom made leather carrying case.

Up to 128GB USB



Ordering Information

Capacity	Black Luxio	Silver Luxio	Wood grain Luxio
16GB	STP16GLXB	STP16GLXSU	STP16GLXWU
32GB	STP32GLXB	STP32GLXSU	STP32GLXWU
64GB	STP64GLXB	STP64GLXSU	STP64GLXWU
128GB	STP128GLXB	STP128GLXSU	STP128GLXWU

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 140-2 certified
- Factory pre-load only



Nickel Metal

The first thing you'll notice about the Elite series Nickel Metal drive is its 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 (H)

Ordering Information

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 left or right; half rotation out, half rotation in. Spins either way without mechanical stop.



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

Ordering Information

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

Elite Swivel

Classic swivel design available in three classic colors: Silver & Black, Silver & Red and Silver on Silver.



Capacity: 1GB - 16GB
Dimension: 29.5 x 12 x 6.5 mm (H)

Ordering Information

1GB	STU1MSM
2GB	STU2MSM
4GB	STU4MSM
8GB	STU8MSM
16GB	STU16MSM

Godfather

Our Godfather series was designed to capture the spirit of the epic film, "The Godfather" in a small mobile storage device.



Capacity: 1GB - 16GB
Dimension: Swivel- 40.0 x 14.4 x 5.2 mm (H)
Rubber- 49.7 x 19.5 x 9.3 mm (H)

Ordering Information

	Swivel	Rubber
1GB	STC1GBGDBK	STP1GBGRBK
2GB	STC2GBGDBK	STP2GBGRBK
4GB	STC4GBGDBK	STP4GBGRBK
8GB	STC8GBGDBK	STP8GBGRBK
16GB	STC16GBGDBK	STP16GBGRBK

Eco Series

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

- Swivel Type



Eco Swivel

Capacity: 2GB - 32GB
Dimension: 66 x 18 x 12 mm (H)

Ordering Information

	Black	Red	Silver
2GB	STU2GSWD-K	STU2GSWD-R	STU2GSWD-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



CSB - SwitchBlade

Capacity: 2GB - 16GB
Dimension: 54 x 18 x 9 mm (H)

Ordering Information

	Black	Red	White
2GB	STU2GSBK	STU2GSBR	STU2GSBW
4GB	STU4GSBK	STU4GSBR	STU4GSBW
8GB	STU8GSBK	STU8GSBR	STU8GSBW
16GB	STU16GSBK	STU16GSBR	STU16GSBW



Duo

Capacity: 2GB - 32GB
Dimension: 38 x 12.5 x 5 mm (H)

Ordering Information

	Duo-A	Duo-B
2GB (Pink)	STU2GDAPN	STU2DUOP
4GB (Green)	STU4GDAGN	STU4DUOG
8GB (Blue)	STU8GDABU	STU8DUOB
16GB (Black)	STU16GDABK	STU16DUOK
32GB (Purple)	STU32GDAPP	STU32DUOV

- Slide Type



CTS - Top Slider

Capacity: 2GB - 16GB
Dimension: 44 x 21 x 6 mm (H)

Ordering Information

	Black	Red	White
2GB	STU2GTSK	STU2GTSR	STU2GTSW
4GB	STU4GTSK	STU4GTSR	STU4GTSW
8GB	STU8GTSK	STU8GTSR	STU8GTSW
16GB	STU16GTSK	STU16GTSR	STU16GTSW



TSP

Capacity: 2GB - 32GB
Dimension: 60 x 20 x 9.7 mm (H)

Ordering Information

	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



SSP

Capacity: 2GB - 32GB
Dimension: 61 x 23 x 9 mm (H)

Ordering Information

	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

Custom Rubber Case - Custom USB Drives

Design USB drives into your **unique** product!

Why print your logo on plain generic USB drives?



From prototype to delivery in as little as 4 weeks!

- Rubber USB drives are customizable to ANY shape/design and capacities of up to 16GB
- Minimum order quantity is 1,000
- Let us preload your digital content



Souvenir Industry

Sports Industry

Broadcast Industry

Computer Industry

Broadcast Industry

Automotive Industry

Electronics Industry

Toy Industry

Computer Industry

*See more choices on our website

Custom USB Drives - Your logo on it!

Custom USB drives are ideal for transporting presentations, digital music and photos. Super Talent manufactures a wide variety of custom USB drive styles, colors and capacities. These drives are all Hi-Speed USB 2.0 compliant, are 100% tested, and are backed with Super Talent's limited lifetime warranty. Use our online LogoMaster tool to preview any logo on our selection of USB Drives.

Swivel Style Never lose a cap again with our swivel style drives. These drives also have large surface areas for logo printing.

SM

Capacity: 1GB - 32GB
Dimension: 57.0 x 19.0 x 11.0 mm (H)

Ordering Information

1GB	SM_1GB
2GB	SM_2GB
4GB	SM_4GB
8GB	SM_8GB
16GB	SM_16GB
32GB	SM_32GB

SWR

Capacity: 1GB - 8GB
Dimension: 45 x 16 x 6mm (H)

Ordering Information

1GB	SWR_1GB
2GB	SWR_2GB
4GB	SWR_4GB
8GB	SWR_8GB

SWD

Capacity: 2GB - 32GB
Dimension: 18 x 66 x 12 mm (H)

Ordering Information

2GB	SWD_2GB
4GB	SWD_4GB
8GB	SWD_8GB
16GB	SWD_16GB
32GB	SWD_32GB

Pleastic Case Standard removable-cap models are perfect for custom logo imprinting. Offered in a variety of styles and colors.

DG

Capacity: 1GB - 32GB
Dimension: 67.8 x 17.2 x 7.7 mm (H)

Ordering Information

1GB	DG_1GB
2GB	DG_2GB
4GB	DG_4GB
8GB	DG_8GB
16GB	DG_16GB
32GB	DG_32GB

DE

Capacity: 1GB - 32GB
Dimension: 71.1 x 19.4 x 7.5 mm (H)

Ordering Information

1GB	DE_1GB
2GB	DE_2GB
4GB	DE_4GB
8GB	DE_8GB
16GB	DE_16GB
32GB	DE_32GB

AI

Capacity: 1GB - 16GB
Dimension: 58 x 17 x 7 mm (H)

Ordering Information

1GB	AI_1GB
2GB	AI_2GB
4GB	AI_4GB
8GB	AI_8GB
16GB	AI_16GB

Retractable These retractable drives use a sliding mechanism to click open and closed.

SLC

Capacity: 1GB - 32GB
Dimension: 51.9 x 20.3 x 8.9 mm (H)

Ordering Information

1GB	SLC_1GB
2GB	SLC_2GB
4GB	SLC_4GB
8GB	SLC_8GB
16GB	SLC_16GB
32GB	SLC_32GB

SLY

Capacity: 1GB - 32GB
Dimension: 47.2 x 17.2 x 7.9 mm (H)

Ordering Information

1GB	SLY_1GB
2GB	SLY_2GB
4GB	SLY_4GB
8GB	SLY_8GB
16GB	SLY_16GB
32GB	SLY_32GB

Aluminum Case Strong aluminum body design. Glossy black plastic cap. Metal surface can be etched with a custom logo.

AH

Capacity: 1GB - 16GB
Dimension: 51.6 x 17.0 x 7.1 mm (H)

Ordering Information

1GB	AH_1GB
2GB	AH_2GB
4GB	AH_4GB
8GB	AH_8GB
16GB	AH_16GB

DH

Capacity: 1GB - 32GB
Dimension: 64.5 x 16.8 x 7.1 mm (H)

Ordering Information

1GB	DH_1GB
2GB	DH_2GB
4GB	DH_4GB
8GB	DH_8GB
16GB	DH_16GB
32GB	DH_32GB



*See more choices on our website

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: 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: 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

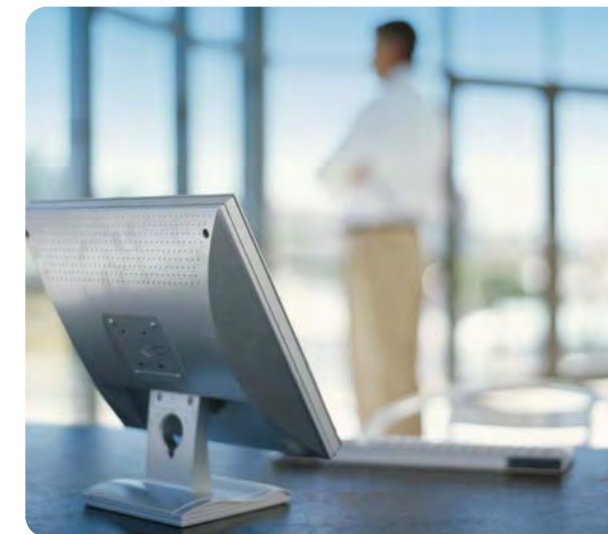


Features:

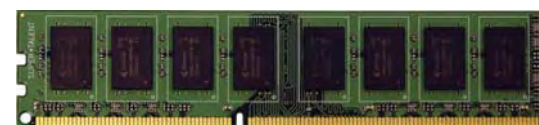
- Erase protection switch to prevent accidental deleting of data.
- Operating shock rating of 2,000Gs - impact-resistance.
- Power requirements: 2.7V to 3.6V.
- Dimensions (approx.): 32 x 24 x 2.1mm
- Weight: 2.0g (max.).
- Power consumption: Active < 35mA; Standby < 100uA.
- Operating temperature: -25°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

Desktop Memory

Super Talent Desktop memory is fully compliant with industry standards to ensure compatibility with motherboards and OEM systems. As a member of the JEDEC association, Super Talent helps define future memory standards. All new products, new component suppliers, and technology changes are subjected to stringent hardware and software testing in our Compatibility Labs prior to production. Super Talent's award-winning Desktop memory is also qualified and recommended by leading industry partners such as Asus and MSI. This additional level of testing ensures the highest possible levels of quality and compatibility.



Unbuffered DDR3



DDR3-1066 (PC3-8500)

Part Number	Density	ECC	Latency	Heat Spreader
W1066UA1G7	1GB		7	Y
W1066UA1GM	1GB		7	N
W1066UA1GS	1GB		7	N
W1066UX2GM	2GB Kit (2x1GB)		7	N
W1066UX2G7	2GB Kit (2x1GB)		7	Y
W1066UX2G5	2GB Kit (2x1GB)		7	N
W1066UB2GE	2GB		7	N
W1066UB2GM	2GB		7	N
W1066UB2G7	2GB		7	Y
W1066UX4G7	4GB Kit (2x2GB)		7	Y
W1066UB4G	4GB		7	N

Unbuffered DDR2



DDR2-400 (PC2-3200)

Part Number	Density	ECC	Latency	Heat Spreader
T400UB512A	512 MB		3	N
T400EB512A	512 MB	✓	3	N
T400UA512A	512 MB		3	N
T400EA512A	512 MB	✓	3	N
T400EB1GA	1GB	✓	3	N
T400UX1GA	1GB Kit (2x512MB)		3	N
T400UB1GA	1GB		3	N

DDR2-800 (PC2-6400)

T80UA512C5	512 MB		5	Y
T800UA512S	512 MB		5	N
T800UA1GC4	1GB		4	N
T8UB1GC5	1GB		5	Y
T800UB1GV2	1GB		6	N
T800UB1GSA	1GB		5	N
T800EB1G_S	1GB	✓	6	N
T800UB2GV2	2GB		6	N
T8UX2GC5	2GB Kit (2x1GB)		5	Y
T800UB2GMT	2GB		5	N
T800UB2GV	2GB		6	N

DDR3-1333 (PC3-10600)

Part Number	Density	Voltage	Latency	Heat Spreader
W1333UA1GS	1GB	1.5V	9	N
W1333UA1GM	1GB	1.5V	9	N
W1333UA1G9	1GB	1.5V	9	N
W1333UB2GS	2GB	1.5V	9	N
W1333UB2GM	2GB	1.5V	9	N
W1333UB2GE	2GB	1.5V	9	N
W1333UB2G9	2GB	1.5V	9	N
W13UB2GLx	2GB	1.35V	9	N
W1333LB2Gx	2GB(VLP)	1.5V	8	N
W1333UX4GS	4GB Kit (2x2GB)	1.5V	9	N
W1333UX4GM	4GB Kit (2x2GB)	1.5V	9	N
W1333UX4GE	4GB Kit (2x2GB)	1.5V	9	N
W1333LB4Gx	4GB(VLP)	1.5V	8	N
W1333UB4G	4GB	1.5V	9	N

DDR3-1600 (PC3-12800)

W16UB2GLx	2GB	1.35V	9	N
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DDR2-533 (PC2-4200)

Part Number	Density	ECC	Latency	Heat Spreader
T533EB512B	512 MB	✓	4	N
T533UA512B	512 MB		4	N
TSUA512C4	512 MB		4	Y
T533UA512V	512 MB		4	N
TSUB512C4	512 MB		4	Y
T533UA512M	512 MB		4	N
T533EA512B	512 MB	✓	4	N
T533UB512V	512 MB		4	N
T533UB512B	512 MB		4	N
T533UX1GB	1GB Kit (2x512MB)		4	N
TSUA1G8C4	1GB		4	Y
T533UB1G_I	1GB		4	N
TSUB1GC4	1GB		4	Y
T533UB1GB	1GB		4	N
T533UB1GAP	1GB		4	N
T533UB1GV	1GB		4	N
T533EB1GB	1GB	✓	4	N
T533EA1G_S	1GB	✓	4	N
T533UX2GB	2GB Kit (2x1GB)		4	N
T533EB2GB	2GB	✓	4	N
T533UB2GAP	2GB		4	N

DDR2-667 (PC2-5300)

T6UA512C5	512 MB		5	Y
T667EA512A	512 MB	✓	5	N
T667UA512I	512 MB		4	N
T667UA512C	512 MB		5	N
T6UA1G8C5	1GB		5	Y
T6UB1GC5	1GB		5	Y
T667UB1G_I	1GB		5	N
T667EB1G_S	1GB	✓	5	N
T6UX1GC5	1GB Kit (2x512MB)		5	Y
T667EA1G_M	1GB	✓	4	N
T667UB1GC	1GB		5	N
T667UB1GV	1GB		5	N
T6UX2GC5	2GB Kit (2x1GB)		5	Y
T667UB2G_M	2GB		5	N

Server Memory

Our server memory is designed for ultimate reliability. These modules conform to JEDEC specifications and use only the highest quality components. Our server memory is subjected to our own extensive in-house qualifications before being qualified by leading server board manufacturers on their newest server platforms. Super Talent Server memory is 100% tested and backed with a lifetime warranty.



* All Server Memory is:

- Fully JEDEC compliant
- 100% Tested to ensure optimum quality

* Server Products Include:

- DDR & DDR2 ECC Registered DIMMs to 4GB
- DDR2 FB-DIMMs to 8GB
- DDR3 ECC Registered DIMMs to 8GB
- Very Low Profile modules (0.70" / 0.72" tall) for blade servers and Advanced TCA applications
- Samsung original green DDR3

DDR3 RDIMM



DDR3-1066 (PC3-8500)

Part Number	Density	Latency	Heat Spreader	Ranks	x4/x8
W10RA1G8X	1 GB	7	N	1	x8
W10RA2G4x	2 GB	7	N	1	x4
W10RB2G8X	2 GB	7	N	2	x8
W10VA2G4x	2 GB(VLP)	7	N	1	x4
W10RB4G8	4 GB	7	N	2	x8
W10VB4G8x	4 GB(VLP)	7	N	2	x8

DDR3-1333 (PC3-10600)

W13RA1G8X	1 GB	9	N	1	x8
W13RA2G4x	2 GB	9	N	1	x4
W13RB2G8X	2 GB	9	N	2	x8
W13VA2G4x	2 GB(VLP)	9	N	1	x4
W13VB2G8x	2 GB(VLP)	9	N	2	x8
W13RB4G4X	4 GB	9	N	2	x4
W13RB4G8	4 GB	9	N	2	x8
W13VB4G8x	4 GB(VLP)	9	N	2	x8
W1333RX6G	6GB Kit (3x2GB)	9	N	2	x8
W13RB8G4x	8 GB	9	Y	2	x4
W1333RX24G	24 GB(3x8GB)	9	Y	2	x4

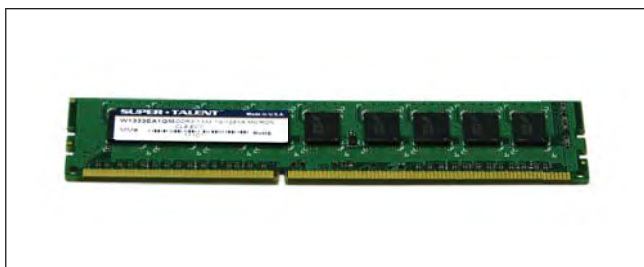
DDR3-1066 (PC3-8500)

Part Number	Density	Latency	Heat Spreader	Ranks
W1066EA1GX	1 GB	7	N	1
W1066EB2GX	2 GB	7	N	2

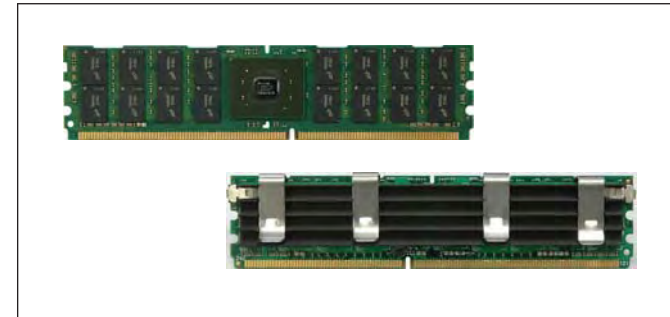
DDR3-1333 (PC3-10600)

W1333EA1GX	1 GB	9	N	1
W1333EB2GX	2 GB	9	N	2
W1333EX6Gx	6GB Kit (3x2GB)	9	N	2

DDR3 ECC UDIMM



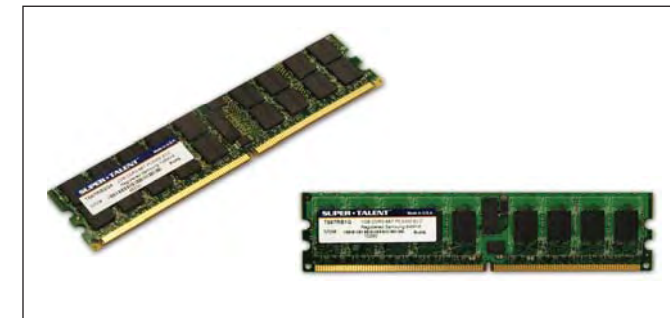
DDR2 FB DIMM



DDR2-800 (PC2-6400)

Part Number	Density	Latency	Heat Spreader
T800FB1G	1GB	5	Y
T800FB1GAP	1GB	5	Y

DDR2 ECC Registered Dimm



DDR2-667 (PC-5300)

Part Number	Density	Latency	Heat Spreader	Ranks	x4/x8
T667RA512	512 MB	5	N	1	x8
T667RB1G	1GB	5	N	2	x8
T667RA1G4	1GB	5	N	1	x4
T667RB2G4	2GB	5	N	2	x4
T667RB4G4S	4GB	5	N	2	x4

DDR2-667 (PC-5300) - VLP

T667RL1G	1GB	5	N	2	x8
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Samsung DDR3 RDIMM

Super Talent also offers Samsung original green DDR3 server memory, backed with Super Talent's legendary service and support.



DDR2-533 (PC2-4200)

Part Number	Density	Latency	Heat Spreader	Ranks	x4/x8
T533FA512	512 MB	4	Y	1	x8
T533FB1G	1GB	4	Y	2	x8
T533FB2G4	2GB	5	Y	2	x4

DDR2-667 (PC2-5300)

T667FA512	512 MB	5	Y	1	x8
T667B512AP	512 MB	5	Y	1	x8
T667FB1G_M	1GB	5	Y	1	x8
T667FB1G	1GB	5	Y	1	x8
T667B1GAP	1GB	5	Y	1	x8
T667FB2G4	2GB	5	Y	2	x4
T667FB2G8M	2GB	5	Y	2	x8
T667B2GAP	2GB	5	Y	2	x8
T667B2GAPH	2GB	5	Y	2	x8
T667FB4GM	4GB	5	Y	2	x8
T667FB4G4H	4GB	5	Y	2	x8
T667B4GAP	4GB	5	Y	2	x8
T667FBX4G	4GB	5	Y	2	x8

DDR2-400 (PC2-3200)

Part Number	Density	Latency	Heat Spreader	Ranks	x4/x8
T400RA512M	512 MB	3	N	1	x8
T400RA512	512 MB	3	N	1	x8
T400RA5124	512 MB	3	N	1	x4
T400RB512	512 MB	3	N	2	x8
T400RA512I	512 MB	3	N	1	x8
T400RA1G4	1GB	3	N	1	x4
T400RB1G_M	1GB	3	N	2	x8
T400RB1G	1GB	3	N	2	x8
T400RB1GV	1GB	3	N	2	x8
T400RB1G_I	1GB	3	N	2	x8
T400RB2G4	2GB	3	N	2	x4

DDR2-533 (PC2-4200)

T533RB512	512 MB	4	N	2	x8
T533RA512	512 MB	4	N	1	x8
T533RA5124	512 MB	4	N	1	x4
T533RA1G4	1 GB	4	N	1	x4
T533RB1G	1 GB	4	N	2	x8
T533RB2G4	2 GB	4	N	2	x4

DDR2-800 (PC2-6400)

T800RB1G	1GB	5	N	2	x8
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DDR3-1066 (PC3-8500)

Part Number	Density	Latency	Heat Spreader	Samsung Part Number
SW10RA2G4	2 GB	7	N	M393B5670DZ1(EH1)-CF8
SW10RB4G4	4 GB	7	N	M393B5170DZ1(EH1)-CF8

DDR3-1333 (PC3-10600)

Part Number	Density	Latency	Heat Spreader	Samsung Part Number
SW13EB2G	2 GB	9	N	M391B5673EH1-CH9
SW13RB2G8	2 GB	9	N	M393B5673EH1-CH9
SW13EB4G	4 GB	9	N	M391B5273BH1-CH9
SW13RB4G4	4 GB	9	N	M393B5170EH1-CH9
SW13RB8G4	8 GB	9	N	M393B1K70BH1-CH9

Overclocking Memory

Extreme Performance DDR3

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



Speed Series DDR3 The World's Most Advanced DDR3 Memory

Speed Series represents the most advanced DDR3 memory available. It is developed and built in Super Talent's Silicon Valley Engineering Labs to deliver the highest attainable DDR3 memory performance. Speed Series memory combines blistering fast clock speeds with aggressively tuned latencies. Speed Series employs an extreme cooling solution that offers double the surface area and 106% more aluminum mass than standard heat spreaders. With Super Talent's special thermal adhesive, this cooling solution provides superior heat dissipation that results in a cooler, faster memory device. Super Talent builds Speed Series using the fastest available, carefully screened DRAM chips, and are hand tested as a matched pair in a popular enthusiast motherboard.



DDR3-2133 (PC3-17000)

Part Number	Density	Application	Latency	Voltage
WS213UX4G9	4 GB Kit (2x2GB)	P55	9-9-9-28	1.65V
WS213UX4G8	4 GB Kit (2x2GB)	P55	8-8-8-24	1.65V

DDR3-2200 (PC3-17600)

WS220UX4G9	4 GB Kit (2x2GB)	P55	9-9-9-28	1.65V
WS220UX4G8	4 GB Kit (2x2GB)	P55	8-8-8-24	1.65V

DDR3-2400 (PC3-19200)

WS240UX4G9	4 GB Kit (2x2GB)	P55	9-11-11-28	1.65V
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Performance Series DDR3 Extreme Performance Unbuffered DDR3

Our Performance series is designed by hardware enthusiasts for maximum performance with the Core i7 CPU. These modules are hand tested in the latest Core i7 motherboards in triple channel configuration to guarantee phenomenal speed. Each Performance series module is equipped with a chrome plated heatsink that is designed by our thermal engineers to wick away heat from the components more efficiently than traditional heatsinks, resulting in higher clock speeds. The Performance series is built expressly for extreme overclockers and gaming enthusiasts.



DDR3-1600(PC3-12800)

Part Number	Density	Application	Latency	Voltage
WP160UX4G7	4 GB Kit (2x2GB)	X58	7-7-7-21	1.65V
WP160UX4G9	4 GB Kit (2x2GB)	X58	9-9-9-28	1.65V
WP160UX4G8	4 GB Kit (2x2GB)	X58	8-8-8-24	1.65V

DDR3-2000 (PC3-16000)

WP200UX4G9	4 GB Kit (2x2GB)	P55	9-9-9-28	1.65V
WP200UX4G8	4 GB Kit (2x2GB)	P55	8-8-8-24	1.65V

Chrome Series DDR3



DDR3-1800(PC3-14400)

Part Number	Density	Latency	Voltage
WB180UA1G8	1 GB	8-8-8-24	1.65V
WB180UB2G8	2 GB	8-8-8-24	1.65V
WB180UX3G9	3 GB(1x3GB)	9-9-9-28	1.65V
WB180UX3G8	3 GB(1x3GB)	8-8-8-24	1.65V
WB180UX6G8	6 GB(3x2GB)	8-8-8-24	1.65V
WB180UX6G9	6 GB(3x2GB)	9-9-9-28	1.65V

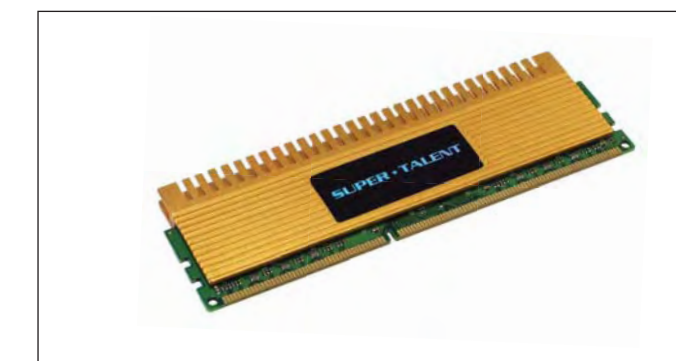
DDR3-1600(PC3-12800)

Part Number	Density	Latency	Voltage
WB160UA1G7	1 GB	7-7-7-21	1.65V
WB160UA1G8	1 GB	8-8-8-24	1.65V
WB160UB2G6	2 GB	6-6-6-18	1.65V
WB160UB2G9	2 GB	9-9-9-28	1.65V
WB160UX3G7	3 GB(1x3GB)	7-7-7-21	1.65V
WB160UX3G8	3 GB(1x3GB)	8-8-8-24	1.65V
WP160UX4G9	4 GB (2x2GB)	9-9-9-28	1.65V
WP160UX4G8	4 GB (2x2GB)	8-8-8-24	1.65V
WP160UX4G7	4 GB (2x2GB)	7-7-7-21	1.65V
WB160UX6G7	6 GB (3x2GB)	7-7-7-21	1.65V
WX160UX6G6	6 GB (3x2GB)	6-6-6-18	1.65V
WB160UX6G8	6 GB (3x2GB)	8-8-8-24	1.65V
WB160UX6G9	6 GB (3x2GB)	9-9-9-28	1.65V
WP160UX8G9	8 GB (2x4GB)	9-9-9-28	1.65V
WB160T12G9	12 GB (3x4GB)	9-9-9-28	1.65V

DDR3-1600(PC3-12800)

WB200UB2G8	2 GB	8-8-8-24	1.65V
WB200UB2G9	2 GB	9-9-9-28	1.65V
WB200UX3G9	3 GB(1x3GB)	9-9-9-28	1.65V
WP200UX4G9	4 GB (2x2GB)	9-9-9-28	1.65V
WP200UX4G8	4 GB (2x2GB)	8-8-8-24	1.65V
WB200UX6G8	6 GB (3x2GB)	8-8-8-24	1.65V
WB200UX6G9	6 GB (3x2GB)	9-9-9-28	1.65V

Gold Series DDR3



DDR3-1600(PC3-12800)

Part Number	Density	Latency	Voltage
WA160UA1G9	1 GB	9-9-9-28	1.5V
WA160UB2G9	2 GB	9-9-9-28	1.5V
WA160UX3G9	3 GB(1x3GB)	9-9-9-28	1.5V
W1600UX4G9	4 GB (2x2GB)	9-9-9-28	1.5V
WA160UX6G9	6 GB (3x2GB)	9-9-9-28	1.5V

Laptop Memory

Super Talent Laptop memory is designed for compatibility with a wide range of portable computers. Our fully JEDEC compliant SO-DIMMs are built with only the highest quality components. All new products, new component suppliers, and technology changes are rigorously tested in a multitude of laptop computers in our Compatibility Labs prior to production. Super Talent Laptop memory is 100% tested. Every SO-DIMM module we build is tested at its rated specs to guarantee functionality. Our SO-DIMMs are backed with Super Talent's lifetime warranty, and are perfect for upgrades.

**DDR, DDR2, DDR3
SO-DIMM modules up to 2GB**



DDR3 SO-DIMMs



DDR3-1066 (PC3-8500)

Part Number	Density	Latency
W1066SB2Gx	2 GB	7
W1066SB4Gx	4 GB	7

DDR3-1333 (PC3-10600)

Part Number	Density	Latency
W1333SA1Gx	1GB	9
W1333SA1GS	1GB	9
W1333SB2GS	2GB	9
W1333SB2Gx	2GB	9

DDR2 SO-DIMMs



DDR2-400 (PC2-3200)

Part Number	Density	Latency
T400SC512E	512 MB	3
T400SC512	512 MB	3
T400SB1G_E	512 MB	3
T400SB1G	1GB	3

DDR2-667 (PC2-5300)

Part Number	Density	Latency
T667SA512M	512 MB	5
T667SC512E	512 MB	5
T667SD512S	512 MB	5
T667SC512S	512 MB	5
T667SC512	512 MB	5
T667SA1G/V	1GB	5
T667SB1G	1GB	5
T667SB1GBM	1GB	5
T667SB1G/V	1GB	5
T667SB1G/S	1GB	5
T667SA1GX	1GB	5
T667SB1GAP	1GB	5
T667SB1G/E	1GB	5
T667SB2G/M	2GB	5
T667SB2GBM	2GB	5
T667SB2GAP	2GB	5
T667SB2G/S	2GB	5
T667SB2G/V	2GB	5

DDR2-533 (PC2-4200)

Part Number	Density	Latency
T533SC512V	512 MB	4
T533SC512E	512 MB	4
T533SC512	512 MB	4
T533SB1G/E	1GB	4
T533SA1G/V	1GB	4
T533SB1G/S	1GB	4
T533SB1G/V	1GB	4
T533SB1G	1GB	4
T533SB2G/V	2GB	4
T533SB2G/S	2GB	5
T533SB2G/M	2GB	4

DDR2-800 (PC2-6400)

Part Number	Density	Latency
T800SC512S	512 MB	5
T800SB1G	1GB	6
T800SB2G/V	2GB	5

Apple Memory



Super Talent has Certified for Apple® 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 P/N's

Mac Mini (1.66/1.83GHz, Core2 Duo 2.0/2.26GHz)	Description
W1066SA1GA	1GB DDR3-1066 SODIMM
W1066SB2GA	2GB DDR3-1066 SODIMM
Mac Pro (Quad-Core & 8-Core)	Description
W1066EB1GA	1GB DDR3-1066 ECC
W1066EB2GA	2GB DDR3-1066 ECC
iMac (iMac Intel Core2 Duo 20/24-inch DDR3)	Description
W1066SA1GA	1GB DDR3-1066 SODIMM
W1066SB2GA	2GB DDR3-1066 SODIMM

DDR2 Apple-approved DIMM P/N's

Mac Book / Mac Book Pro	Description
T667SB1G/S	1GB DDR2-667 SO-DIMM
T667SB2G/S	2GB DDR2-667 SO-DIMM
iMac G5	Description
T533UA1GB	1GB DDR2-533 DIMM
T533UB2G/S	2GB DDR2-533 DIMM

Awards & Reviews

Our products have captured over 500 press awards worldwide since 2006, making Super Talent one of the industry's most highly acclaimed brands. Our line of Pico USB drives alone has won over 80 awards to date including being featured on the cover of Popular Science, being named to Ladies Home Journal's list of "Things We Can't Believe We Ever Lived Without", and being named to Gizmodo's list of "Top 10 Biggest & Baddest Record-Breaking Consumer Gadgets".

