

## Super Talent - OEM Solution Provider

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



### Design

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



### Manufacturing

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



### Testing

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



### Logistics

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

## SUPER TALENT LOCATIONS INCLUDE:

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

- ⊗ Headquarters
- Sales Representative
- ⊙ Sales, Warehouse
- ◇ Sales, Purchasing
- Factory



## 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®**  
 THE BEST MEMORY

www.supertalent.com

## 2014 Product Overview



Your Source for quality Flash & DRAM Storage Solutions...



**SUPER ★ TALENT®**  
 THE BEST MEMORY

## FLASH PRODUCTS

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## MEMORY PRODUCTS

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### \* 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 ; 7,702,831 ; 7,873,837 ; 7,966,462 ; 8,073,985 ; 8,102,657 ; 8,297,987 ; 8,438,376 ; 8,444,423 ; 8,500,467

#### 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 ; 7,849,242 ; 7,877,542 ; 7,886,108 ; 7,934,074 ; 8,015,348 ; 8,019,943 ; 8,037,234 ; 8,180,931 ; 8,266,367 ; 8,296,467 ; 8,321,597 ; 8,341,332 ; 8,452,912 ; 8,543,742

#### \* Taiwan Patents

094106566 ; 094113217 ; 094145032 ; 096132994 ; 096136141 ; 097108510 ; 098213787 ; 99100643 ; 099109613 ; 099118012

#### \* China Patents:

200710154015.3 ; 200910163527.5 ; 200910165874.1 ; 201010135362.3 ; 201320265197.2



Your Source for Quality...

# Flash & DRAM Products

## Solid State Drives



## USB 3.0 Flash Drives



## Memory Products



# Solid State Drives - Overview

Super Talent's SSDs (solid-state drives) are data storage devices that use NAND Flash memory as the storage medium. SSDs have lower power consumption, faster performance, and are lighter and less noisy compared to conventional hard disk drives (HDDs).

Utilizing high density industrial grade NAND Flash chips, Super Talent now offers a variety of SSDs for ultra-rugged applications and high performance consumer and commercial use. Super Talent's SSD technology includes proprietary wear leveling algorithms and bad bit management.



## • Enterprise Solutions

- RAIDDrive SSDs
- TeraDrive SSD
- SuperNova SSD



## • Consumer

- MasterDrive SSD



*The Broadest Portfolio  
in the Industry...*



## • Mobile Computing

- mSATA SSDs
- Mini PCIe SSDs



## • Automotive & Industrial Grade

- DuraDrive SSDs



## • Embedded

- NGFF Series
- SATA Flash Disk Modules
- IDE Flash Disk Modules



# Solid State Drives - Enterprise Solutions

## RAIDDrive SSDs

Built for the enterprise server, RAIDDrive is designed to break the throughput bottleneck in the storage subsystem by removing the bandwidth limitation of the SATA bus. The RAIDDrive can simplify your IT infrastructure while reducing operating and capital costs



### RAIDDrive II

- PCIe x8 Interface
- Max Speed: Read up to 2.4GB/s, Write up to 2.8GB/s
- Capacities up to 2TB

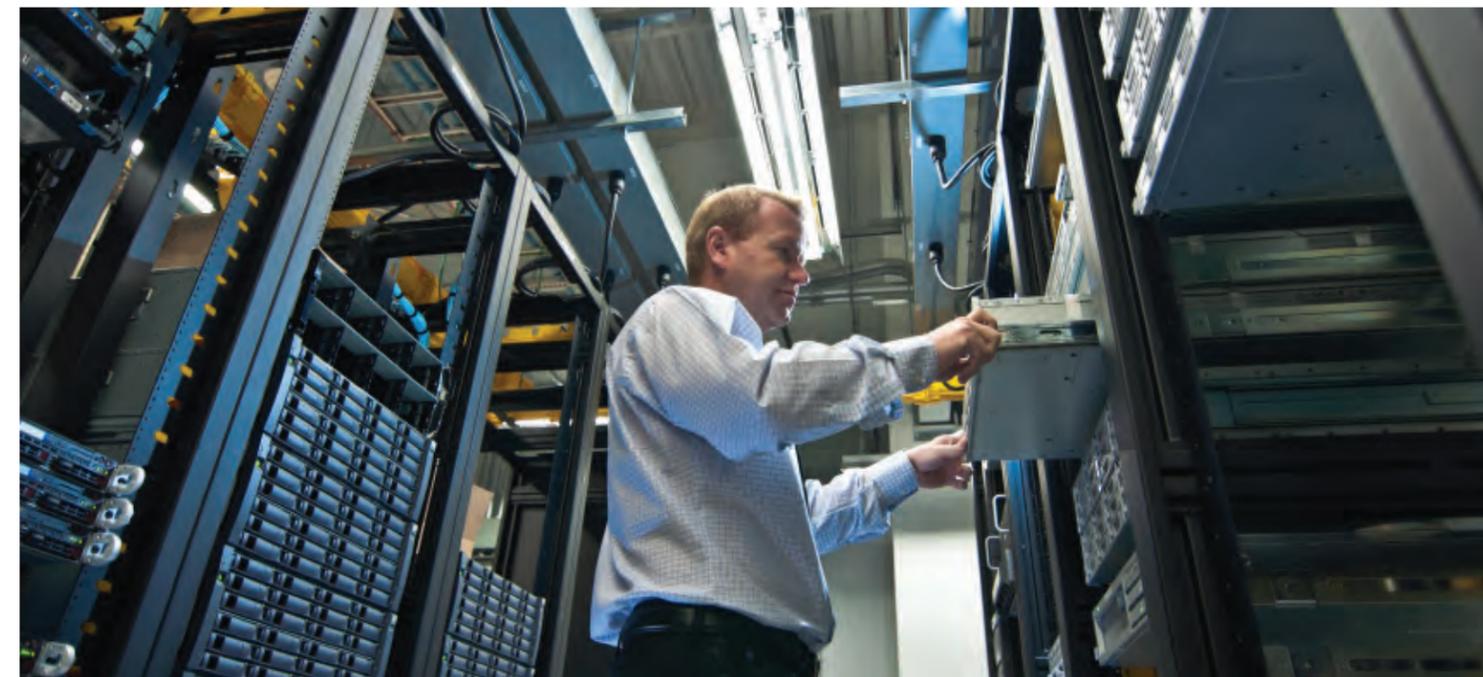


### RAIDDrive II Plus

- PCIe x8 Interface
- Max Speed: Read up to 2.6GB/s, Write up to 3.2GB/s
- Capacities up to 2TB

Specification	RAIDDrive II	RAIDDrive II Plus
Interface	PCIe	PCIe
Form Factor	PCIe x 8 (Gen2)	PCIe x 8 (Gen2)
Capacities	480GB-2TB	480GB-2TB
Read/Write (MB/s)	2400/2800	2600/3200
Dimensions (mm)	231.5x94x20.6	231.5x94x20.6
Part Number	R2Sxxxx1	FP8xxxL4Rx

Based on CrystalDiskMark v.3.0 and Asus P6T Motherboard. Performance may vary.



## TeraDrive SSD

The TeraDrive line is Super Talent's enterprise offering that delivers exceptional performance using state-of-the-art algorithms and proprietary RAISE technology to increase reliability and endurance. Supporting up to 50,000 IOPS, the TeraDrive is ideal for database servers and represents the pinnacle of performance in enterprise storage.



### Features

- SATA III Interface
- Protection for sudden power loss
- Enterprise data center solution



Specification	TeraDrive
Interface	SATA-III
Form Factor	2.5"
Capacity	32GB – 1TB
Read/Write (MB/s)	TBA
Dimensions (mm)	70.0 x 100.0 x 7.0
Part Number	TBA

## SuperNova III

SuperNova III SSDs are perfect for those seeking extreme performance. Featuring S.M.A.R.T. – Self Monitoring Analysis and Reporting Technology – which can help prevent unexpected outage and data loss, the SuperNova III is one of our highest performing, secure and reliable 2.5" SSDs yet.



### Features

- Perfect for super computing
- Thermal conductive silicon padding
- Supports S.M.A.R.T.



Specification	SuperNova III
Interface	SATA-III
Form Factor	2.5"
Capacity	64GB – 512GB
Read/Write (MB/s)	550/350
Dimensions (mm)	70.0x100.0x7.0
Part Number	FTMxxS425H

## MasterDrive SSD

The MasterDrive KX3 is a performance 1.8" Micro SATA II SSD. Featuring a 128MB internal cache, the MasterDrive KX3 delivers best in class performance. The MasterDrive KX3 can be built to handle extended temperature ranges from -40°C to 85°C. Encased in metal enclosure and designed with carefully selected extended thermal range components, the MasterDrive KX3 is engineered to withstand the full industrial temperature range.



### Features

- uSATA Interface
- Max Speed: Read up to 250 MB/s, Write up to 130 MB/s
- Capacities up to 256 GB



Specification	MasterDrive KX3
Interface	uSATA-II
Form Factor	1.8" Micro SATA
Capacity	32GB – 512GB
Read/Write (MB/s)	250/130
Dimensions (mm)	54.0x78.5x5.0
Part Number	FUMxxG818H, FUMxxG818I (I-Temp)

## 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.



# Solid State Drives - Mobile Computing

## mSATA SSDs



Super Talent's JEDEC MO-300 compatible mSATA SSDs are perfect for systems with limited physical space, such as tablets – all without sacrificing performance. We also offer OEM customers the opportunity to customize the length and width of the PCB boards for their specific needs.

Specification	mSATA DX1 (MO-300)	mSATA mini SJ1 (MO-300)	mSATA 3 (MO-300)	mSATA (MO-300)
Interface	SATA-III	SATA-III	SATA-III	SATA-II
Form Factor	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
Capacities	16GB-128GB	8GB-64GB	30GB-120GB	16GB-128GB
Read/Write (MB/s)	450/300	300/100	550/500	160/80
Dimensions (mm)	50.8x29.85x4.85	29.85x26.8x4.85	50.8x29.85x4.85	50.8x29.85x4.85
Part Number	FM5xxxJCRM	FM2xxxJMRM	SGxxxNx35M	SGxxxNx55M

\* Dimensions can be customized for OEMs.

## Mini PCIe SSDs

Super Talent produces a selection of SSDs designed specifically for upgrading popular notebook models. Upgrading to an SSD provides shorter boot times, faster application loading, and less power consumptions.

Specification	SATA Mini 2 PCIe	SATA Mini 2 PCIe DX1	CoreStore Plus
Interface	SATA-II	SATA-III	PCIe
Form Factor	Mini PCIe	Mini PCIe	Mini PCIe
Capacity	16GB – 128GB	16GB – 128GB	16GB – 128GB
Read/Write (MB/s)	150/100	170/130	300/120
Dimensions (mm)	69.5x32.1x3.5	69.5 x 32.1 x 3.5	50.8 x 29.85 x 3.5
Part Number	FPMxxGLSE	TBA	TBA



# Solid State Drives - Automotive & Industrial Grade

## DuraDrive SSDs

Super Talent's DuraDrive SSDs represent state-of-the-art storage solutions for industrial, medical, and embedded applications. These SSDs deliver unprecedented tolerances to vibration, shock, humidity, altitude, and temperatures while maintaining impressive speeds. Our industrial grade DuraDrive line is rigorously tested.

### 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" with custom BGA)

Specification	DuraDrive AT7	DuraDrive AT6
Interface	SATA-III	SATA-III
Form Factor	2.5"	2.5"
Capacities	32GB – 1 TB	64GB – 256GB
Read/Write (MB/s)	TBA	480/400
Dimensions (mm)	70.0 x 100.0 x 9.5	70.0 x 100.0 x 9.5
Part Number	TBA	FTMxxJB25I

Specification	DuraNova III	DuraDrive AT3	DuraDrive ET3	DuraDrive ZT3
Interface	SATA-III	SATA-II	IDE/PATA	IDE/ZIF-40
Form Factor	2.5"	2.5"	2.5"	1.8"
Capacities	60GB-640GB	32GB-256GB	16GB-512GB	32GB-256GB
Read/Write (MB/s)	450/400	250/170	130/120	125/110
Dimensions (mm)	69.9x100.2x9.5	69.9x100.2x9.0	69.9x100.2x9.5	52.0x70.0x5.1
Part Number	FTMxxD325H	FTMxxG825I	FE8xxxMD2D	FZMxxGF18H

DISCLAIMER: Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.



# Embedded *Mobile Computing*

- Perfect for high performance mobile computing
- SATA interface SSDs based on the M.2 form factor
- DX1 features an internal cache to further speed up application load times



Super Talent's mobile computing line features small form factor storage for embedded applications. These NAND flash memory devices are ideal for use in medical equipment, point-of-sale terminals, and mobile devices.

Super Talent flash memory devices have high reliability and performance for storage media. They consume less power while being able to provide sufficient storage space to load an OS and serve as a bootable drive. Like all Super Talent products, these are built with high quality components to guarantee quality.



PCIe DX1



NGFF DX1



NGFF ST1

## Solid State Drives - Embedded

### Flash Disk Modules

Super Talent's line of SSDs also extends to small form factor systems. NAND Flash based Flash Disk Modules (FDMs) are well suited for a wide range of industrial and embedded computing applications. Laptops, surveillance equipment, medical instruments, and even point-of-sale terminals utilize these solutions every day.

Specification	PCIe DX1	NGFF DX1	NGFF ST1	7-pin SATA FDM
				
<b>Interface</b>	<b>PCIe</b>	<b>SATA-III</b>	<b>SATA-II</b>	<b>SATA-II</b>
<b>Form Factor</b>	NGFF (M.2)	NGFF (M.2)	NGFF (M.2)	SATA 7pin
<b>Capacities</b>	32GB-256GB	32GB-256GB	16GB-128GB	32GB-64GB
<b>Read/Write (MB/s)</b>	380/380	480/400	250/80	165/125
<b>Dimensions (mm)</b>	22.0x80.0x3.5	22.0x80.0x3.5	22.0x42.0x3.5	55x33x7.5
<b>Part Number</b>	FN8xxxJ3RM	FN8xxxJCRM	FN4xxxMRRM	SMxxNx57R/L

Specification	7-pin SATA FDM SJ1	7-pin SATA DOM	22-pin SATA Horizontal	USB 3.0 FDM	USB 3.0 FDM2
					
<b>Interface</b>	<b>SATA-III</b>	<b>SATA-II</b>	<b>SATA-II</b>	<b>USB 3.0</b>	<b>USB 3.0</b>
<b>Form Factor</b>	SATA 7pin	SATA 7pin	SATA 22pin	FDM	FDM
<b>Capacities</b>	8GB-64GB	8GB	8GB-64GB	8GB-32GB	8GB-32GB
<b>Read/Write (MB/s)</b>	300/100	35/10	150/80	85/40	84/40
<b>Dimensions (mm)</b>	55x33x7.5	21x34x7.5	55.2x30.0x10.6	32.2x26.2x4	45.0x14.5x3.1
<b>Part Number</b>	FF7/6xxxJMRRM	SMxxNx57V	SMxxNx52H	ST3UxxFDM1	ST3UxxFDM2



# Solid State Drives - Embedded

## IDE Flash Disk Modules

Super Talent's line of SSDs also extends to small form factor systems. NAND Flash based IDE Flash Disk Modules (FDMs) are well suited for a wide range of industrial and embedded computing applications. Laptops, surveillance equipment, medical instruments and even point-of-sale terminals utilize these solutions every day. The industry standard IDE connector plugs directly into a motherboard using a 40 or 44-pin IDE connector and uses a 5V power input.

Specification	40-pin IDE Vertical	40-pin IDE Horizontal	44-pin IDE Vertical	44-pin IDE Horizontal
				
Interface	IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Form Factor	FDM	FDM	FDM	FDM
Capacities	16GB – 128GB	16GB-128GB	16GB-128GB	16GB-128GB
Read/Write (MB/s)	110/70	110/70	110/70	110/70
Dimensions (mm)	58.2 x 28.9	51.3 x 31.3	56.0 x 29.0	47.8 x 29.0
Part Number	FE0xxxMDRM	FE1xxxMDRM	FE4xxxMDRM	FE5xxxMDRM

DISCLAIMER: Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.



# USB 3.0 Express Dram★Disk

Exceptional combination of speed and portability!

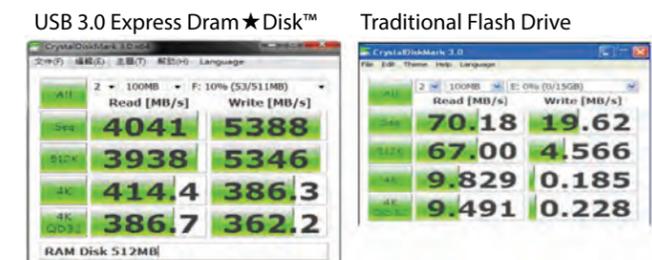


Up to  
**Read 4041**  
**Write 5388**  
 (MB/s)

- Plug & play
- Extremely Fast Speeds
- Ideal for Creative Professionals
- Software Included

USB 3.0 Express Dram★Disk™ is ideal for using large programs or files, here's why:

- Extremely fast performance
  - USB 3.0 flash drive form
  - Read/write speeds of 4041/5388 MB/s
  - Drastically decreases transfer times from computer to USB
- Incredible Reliability & Design
  - Built in ECC and bad block management
  - Compatible with USB 2.0
  - Sleek aluminum casing with key ring



**Test Environment**  
 Test System:  
 1. Motherboard: ASUS P6X58P  
 2. CPU: Intel (R) Core i7 CPU 975 @3.33GHZ  
 3. Memory: 4096M DDR3  
 4. O/S: Windows 7 64Bit  
 Test Program: Crystal Disk Mark 3.0



"Using memory, most commonly referred to as ram disks, to improve system performance is not new by any means, however, lack of simplicity has kept this from becoming popular. Super Talent has done very well here."  
 - The SSD Review, September 2013, Editor's Choice Award.



"Super Talent's DRAM Disk is one of the more unique flash drives we have come across over the last year, and it certainly delivers on its performance promise, as long as you work more than 10 minutes in a day."  
 - TweakTown, December 2013, Editor's Choice Award.

For more information visit [www.dramdisk.com](http://www.dramdisk.com)

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



### Express Dram★Disk™

A solid combination of extreme speed and usability. \*Software Included.

- Capacities: 8 - 64 GB
- Read Speed: 4041 MB/s
- Write Speed: 5388 MB/s



### Express RC4

4-CH SSD performance

- Capacities: 32 - 256 GB
- Read speed: 320 MB/s
- Write speed: 120 MB/s



### Express Motile

Dual end USB 3.0 and Micro-USB

- Capacities: 8 - 32 GB
- Read speed: 86 MB/s
- Write speed: 12 MB/s



### SuperCrypt

8-CH SSD Hardware Encrypted Performance

- Capacities: 16 - 256 GB
- Read Speed: 240 MB/s
- Write Speed: 170 MB/s



### Express RAM Cache

4-CH Flash drive with DRAM Caching system

- Capacities: 16 - 64 GB
- Read speed: 140 MB/s
- Write speed: 60 MB/s



### USB 3.0 DataGuardian

Built-in password protection

- Capacities: 8 - 32 GB
- Read Speed: 85 MB/s
- Write Speed: 40 MB/s



### Express ST2

USB 3.0 Performance at USB 2.0 Price

- Capacities: 8 - 64 GB
- Read speed: 67 MB/s
- Write speed: 24 MB/s



### Express ST1

Capless, slider design

- Capacities: 4 - 32 GB
- Read Speed: 90 MB/s
- Write Speed: 16 MB/s



### Express RC4

The USB 3.0 Express RC4 is an ultimate combination of speedy performance, price, and usability. The RC4's boot time is incredibly quick to deliver the best performance experience for the user.

#### Features

- Certified for Windows To Go
- 4-channel flash architecture
- Supports employee workforce deployments



### SuperCrypt & SuperCrypt Pro

The SuperCrypt drives show an Access Point with a 32MB drive size when plugged in and is the only partition viewable if now password is entered.

#### Features

- Capacities up to 256GB
- Hardware encryption (128-bit ECB, Pro: 256-bit XTS)
- USB 3.0 speeds



### Express Motile

USB 3.0 Express Motile combines USB 3.0 and microUSB technology into a single compact portable connector. Transferring data between a portable device and an USB is easy with the USB 3.0 Express Motile!

#### Features

- USB 3.0, microUSB interfaces
- Compatible with many portable devices
- Able to transfer and store data on the device



### DataGuardian

The affordable and easy-to-use USB 3.0 DataGuardian features built-in password protection to help keep your files and private data secure, even if the drive is lost or stolen.

#### Features

- Built in password protection - no extra downloads or installations necessary
- Stops auto-run malware attacks
- ECC and bad block management



- Cache
- Secure
- 8 Channel
- 4 Channel
- 2 Channel
- 1 Channel

### 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. Performance varies depending on drive capacity, system configuration, application and other factors.

# STT USB Drives - Pico Series

## USB 3.0 Pico Series

Amazingly small in size, the USB 3.0 Pico packs an incredible amount of capacity into its compact, stylish casing. The USB 3.0 Pico drive is great for storing data, digital images, and videos. The design includes a space for attaching a keychain, lanyard, necklace chain, or other accessory. Water resistant and backwards compatible with USB 2.0, the USB 3.0 Pico is perfect for those seeking a versatile flash drive.



### Features

- Weight less than 6g
- Fully compatible with USB 2.0 and 1.1
- Water resistant
- Over 80 press awards to date

Capacity	Part Number
16GB	ST3U16PICO
32GB	ST3U32PICO
64GB	ST3U64PICO



- Capacity: 16GB - 64GB
- Dimension: 33 X 12.3 X 4.6 mm
- Read: 72MB/s, Write: 28MB/s

## Pico Series

- World's smallest 64GB USB Drive...

Pico series USB drives are incredibly small and stylish flash drives offered in 2GB to 64GB capacities. You can easily attach it to your keychain and take your files with you wherever you go or plug it into a USB enabled car stereo and enjoy your music. Pico drives are water resistant too.

### 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  
31.6 x 12.5 x 3.6mm



### Pico C Gold

- Ultra Small Capless  
31.6 x 12.5 x 3.6mm



### Pico C Nickel

- Ultra Small Capless  
31.6 x 12.5 x 3.6mm



### 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



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

# STT USB Drives - USB 2.0 Drives

## Pico mini USB Drives

Pico mini drives are amazingly small USB drives that weigh only a few grams, but can hold up to 4,000 songs. 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 B

Dimension: 30.5 x 15.4 x 3.4 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



### Features

- Water resistant
- Pico mini A (pink, green, blue, black)
- Pico mini B (pink, green, blue, grey)
- Pico mini C (slide design)
- Pico mini D (retractable design)

Capacity	Pico mini A	Pico mini B	Pico mini C	Pico mini D
<b>2GB</b>	STU2GMAP	STU2GMBP	STU2GMCK	STU2GMDU
<b>4GB</b>	STU4MAG	STU4MGBG	STU4GMCK	STU4GMDU
<b>8GB</b>	STU8MAB	STU8MGBB	STU8GMCK	STU8GMDU
<b>16GB</b>	STU16MAK	STU16GMBK	STU16GMCK	STU16GMDU
<b>32GB</b>	STU32MAK	STU32GMBK	STU32GMCK	STU32GMDU

## USB Flash Drives Elite Series, Eco Series



**M1** Capacity: 4GB - 16GB  
Dimension: 22.6 x 14.9 x 8.5mm

Capacity	M1
4GB	STU4GM1W
8GB	STU8GM1W
16GB	STU16GM1W



**CKB** Capacity: 2GB - 32GB  
Dimension: 40 x 25.9 x 3.7mm

Capacity	Silver	Nickel
2GB	STU2GCKBS	STU2GCKBN
4GB	STU4GCKBS	STU4GCKBN
8GB	STU8GCKBS	STU8GCKBN
16GB	STU16GCKBS	STU16GCKBN
32GB	STU32GCKBS	STU32GCKBN
64GB	STU64GCKBS	STU64GCKBN



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

Capacity	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
64GB	STU64GSWD-K	STU64GSWD-R	STU64GSWD-S



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

Capacity	Black	Blue	Red	White
2GB	STU2GRMBK	STU2GRMBL	STU2GRMR	STU2GRMRW
4GB	STU4GRMBK	STU4GRMBL	STU4GRMR	STU4GRMRW
8GB	STU8GRMBK	STU8GRMBL	STU8GRMR	STU8GRMRW
16GB	STU16GRMBK	STU16GRMBL	STU16GRMR	STU16GRMRW
32GB	STU32GRMBK	STU32GRMBL	STU32GRMR	STU32GRMRW
64GB	STU64GRMBK	STU64GRMBL	STU64GRMR	STU64GRMRW



**RM2** Capacity: 2GB - 32GB  
Dimension: 61 x 19 x 11.6 mm

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
64GB	STU64GRM2-K	STU64GRM2-B	STU64GRM2-R	STU64GRM2-W

To see more USB series, please visit [www.supertalent.com](http://www.supertalent.com)

# Flash Media Cards- SD Cards

Super Talent offers a full range of flash media cards to suit all your mobile storage needs. These products are extensively tested to ensure compatibility with a wide range of consumer gadgets.

## MicroSD Cards - Class 10



About four times smaller than the average SD card, the MicroSD card is primarily used with mobile handsets, the MicroSD Card also is supported by a variety of hand-held GPS devices, portable audio players, video game consoles and expandable USB flash memory drives.

<b>Capacities:</b>	4GB, 8GB, 16GB, 32GB
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>- Power requirements: 2.7V to 3.6V</li> <li>- Operating temperature: -25° to 85° C</li> <li>- Dimensions (approx.): 11mm x 15mm x 1mm</li> <li>- Weight: 0.5g</li> <li>- Optional SD adapter for use in SD devices</li> </ul>

## MicroSD Cards - Class 4



MicroSDHC cards are the same size as a MicroSD card but have the ability to store high-resolution images or videos. This ability allows the MicroSDHC to fit the needs of mobile enthusiasts.

<b>Capacities:</b>	2GB*, 4GB, 8GB, 16GB, 32GB
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>- Power requirements: 2.7V to 3.6V</li> <li>- Operating temperature: -25° to 85° C</li> <li>- Dimensions (approx.): 11mm x 15mm x 1mm</li> <li>- Weight: 0.5g</li> <li>- Optional SD adapter for use in SD devices</li> </ul>

\*2GB capacities are non-speed rated

\*\*Approximations: results will vary based on file size, resolution, compression, bit rate, content, host device, pre-loaded files, and other factors.



# Flash Media Cards- CF Cards

## • CFast Pro



CFast Pro cards are a 4x improvement in speed over the fastest 600x CF cards. With that kind of speed, photo and video capturing and download times are dramatically reduced. The CFast Pro card is great for use in high definition digital SLR and video cameras.

<b>Capacities:</b>	8GB, 16GB, 32GB
<b>Speeds:</b>	Up to 300MB/sec Read, Up to 50MB/sec Write
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>• Flash type: MLC, SLC</li> <li>• Dimensions (approx.): 36.4x42.8x3.3mm</li> <li>• SATA III interface</li> </ul>

## • CFast



Super Talent's CFast card are up to 50% faster than traditional Compact Flash cards, so you can take a series of pictures without waiting between shots and copy them to your computer faster.

<b>Capacities:</b>	16GB, 32GB, 64GB
<b>Speeds:</b>	Up to 100MB/sec Read, up to 95MB/sec Write
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>• Flash type: MLC, SLC</li> <li>• Impact resistant - operating shock rating of 2,000Gs</li> <li>• Power requirements: 3.3V</li> <li>• Supports ATA command set</li> <li>• Dimensions (approx.): 42.8 x 36.4 x 3.3mm</li> <li>• Weight: 13g (max)</li> <li>• Operating temperature: 0°C to 70°C</li> <li>• Storage temperature: -20° to 85° C</li> <li>• SATA II (3Gbps) interface</li> </ul>

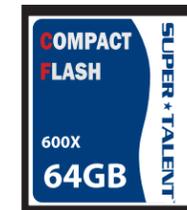
Packaging:



Dimension:

124 x 89.5 x 6.5 mm

## • High Speed CF Cards



Fast and reliable, CF cards can be used in digital SLR cameras, digital video camcorders, as well as industrial applications.

<b>Capacities:</b>	4GB, 8GB, 16GB, 32GB, 64GB
<b>Speeds:</b>	900x, 600x, 533x, 300x, 80x
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>• Impact resistant - operating shock rating of 2,000Gs</li> <li>• Power requirements: 3.3V or 5.0V</li> <li>• Supports ATA command set</li> <li>• Dimensions (approx.): 42.8 x 36.4 x 3.3mm</li> <li>• Weight: 13g (max)</li> </ul>

## • I-Temp CF Cards



Specifically designed for harsh operating conditions, Super Talent I-Temp CF cards are perfect for industrial applications and embedded systems.

<b>Capacities:</b>	2GB, 4GB, 8GB, 16GB, 32GB
<b>Speeds:</b>	300x
<b>Technical Details:</b>	<ul style="list-style-type: none"> <li>• Impact resistant - operating shock rating of 2,000Gs</li> <li>• Operating temperature: -40° to 85° C</li> <li>• Power requirements: 3.3V or 5.0V</li> <li>• Supports ATA command set</li> <li>• Dimensions (approx.): 42.8 x 36.4 x 3.3mm</li> <li>• Weight: 13g (max)</li> </ul>

# DRAM Modules - Overview

Designed in compliance with JEDEC specifications, Super Talent DRAM modules deliver unparalleled performance and reliability. The secret lies in using high-quality major brand components and rigorously testing all our memory modules. We offer a wide selection of server, network, desktop, notebook, Apple®, and green memory modules to meet the needs of different customers.

## Our selection includes:

- DDR, DDR2, DDR3
- RDIMM, ECC UDIMM, VLP UDIMM, SODIMM, UDIMM, VLP-RDIMM
- Space and material saving modules
- Low power consumption modules starting at 1.35V
- Speeds from 1333MHz and 1600MHz to 2400MHz
- Sizes from 1GB to 32GB and available in dual and triple channel kits

## We test for:

- Reliability under stress
- Compliance with JEDEC standards
- Apple compatibility
- The highest performance at the lowest latencies

# Memory you can depend on

- ✓ Server Memory
- ✓ Desktop Memory
- ✓ Apple® Compatible Memory
- ✓ Network Memory
- ✓ Laptop Memory

# DRAM Modules - Products

## Server Memory

Super Talent server memory is designed to be fully compliant with JEDEC specifications to deliver ultimate reliability. Super Talent ensures compatibility with the latest server motherboards through extensive testing by the Super Talent engineering team.



**DDR3 ECC Registered**  
 Capacities: 1, 2, 4, 8, 16, & 32GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, & 1600MHz  
 \*VLP option available

**DDR3 ECC UDIMM**  
 Capacities: 1, 2, 4, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, & 1600MHz  
 \*VLP option available

**DDR2 ECC Registered**  
 Capacities: 256MB – 4GB  
 Voltage support: 1.8V  
 Speeds: 400, 533, 667, & 800MHz  
 \*VLP option available

**DDR ECC Registered**  
 Capacities: 128MB – 2GB  
 Voltage support: 2.5V  
 Speeds: 266, 333, & 400MHz  
 \*Dual Channel kits available

## Network/ µServer/ Mini-Server Memory

Super Talent ensures compatibility with the latest hardware through extensive testing by the Super Talent engineering team. A wide selection of modules is available to choose from to suit small server needs.



**DDR3 Mini-DIMM**  
 Capacities: 2, 4, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, & 1600MHz  
 \*Registered or ECC unbuffered DIMMs



**DDR3 SO-DIMM**  
 Capacities: 1, 2, 4, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, 1600MHz  
 \*Registered or ECC unbuffered DIMMs

## Desktop Memory

Super Talent desktop memory is fully compliant with industry standards to ensure compatibility with motherboards and OEM systems.



**DDR3 UDIMM**  
 Capacities: 1, 2, 4, 6, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, 1600MHz  
 \*Dual, Triple, and Quad Channel kits available

## Laptop Memory

Super Talent laptop memory is designed to be compatible with a wide range of portable computers.



**DDR3 SO-DIMM**  
 Capacities: 1, 2, 4, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, 1600MHz

## Apple® Compatible Memory

Super Talent memory modules are designed for 100% compatibility with the latest Mac computers. As an Apple Validation Partner, Super Talent tests its memory on all the leading Apple systems in Apple's validation labs.



**DDR3 SO-DIMM**  
 (for Mac Mini, MacBook Pro, & iMac)  
 Capacities: 1, 2, 4, & 8GB  
 Voltage support: 1.35V, 1.5V  
 Speeds: 1066, 1333, 1600MHz  
 \*Certified in Apple Compatibility Labs

**DDR3 ECC UDIMM**  
 (for Mac Pro)  
 Capacities: 1, 2, 4, & 8GB  
 Voltage support: 1.5V  
 Speeds: 1066 & 1333MHz  
 \*Certified in Apple Compatibility Labs

# DRAM Modules - Green Memory

Leading studies suggest that the explosive growth in computing power has been matched by growing power demands and cooling costs. Experts predict that power-related costs of data centers will soon be greater than the cost of IT equipment itself. This led us to create a line of green memory that uses fewer raw materials, consumes less energy, and requires less cooling, with absolutely no tradeoffs in performance or price. When multiplied by the hundreds of thousands of memory modules we produce monthly, this has an enormous environmental impact.

## Our selection of Green Memory includes:

- DDR2 & DDR3 modules
- Energy saving 1.35V DDR3 DIMMs (backward compatible in 1.5V systems)
- Very Low Profile modules (0.72"/0.74" tall) perfect for blade systems
- Support for speeds of 800MHz – 1600MHz (DDR3) and 400MHz – 800MHz (DDR2)
- Densities up to 8GB (DDR3) and 4GB (DDR2)



VLP memory (left) vs. standard memory (right)

### VLP DDR3 RDIMM



### VLP DDR3 SODIMM



### VLP DDR3 ECC UDIMM



### VLP DDR2 RDIMM



# DRAM Modules - Apple® Compatible Memory

## DDR3 Apple-compatible DIMMs

### Mac Mini

(1.66/1.83GHz, Core2 Duo 2.0/2.26GHz)  
Up to 2GB DDR3 1066MHz SO-DIMM

### iMac

(Intel Core2 Duo 20/24/27-inch DDR3)  
Up to 8GB DDR3 1600MHz SO-DIMM  
\*1.35V modules available

### Mac Pro

(MC561)  
Up to 8GB DDR3 1333MHz ECC UDIMM

### 13" MacBook Pro

(MC700, MC724, MD101)  
Up to 8GB DDR3 1600MHz SO-DIMM  
\*1.35V modules available

### 15" MacBook Pro

(MD104)  
Up to 8GB DDR3 1600MHz SO-DIMM  
\*1.35V modules available

### 17" MacBook Pro

(MC725)  
Up to 4GB DDR3 1333MHz SO-DIMM

## Apple-compatible DDR2 DIMMs

### MacBook/MacBook Pro

1 & 2GB DDR2 SO-DIMM

### iMac G5

1 & 2GB DDR2 UDIMM

DISCLAIMER: Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.

## Why Super Talent?

After determining how much memory you need, you need to review vendors that sell your specific memory type. Although there are many companies that sell Apple-certified memory, Super Talent is a Mac memory expert. What separates Super Talent from the generic memory supplier is that we do extensive validation testing on all Mac modules. By the time you get your Apple certified memory, it is 100% tested and guaranteed 100% compatible.

- Uses nearly 40% less PCB material than a standard-height module
- Requires less cooling
- Fully JEDEC compliant and 100% tested
- Low Voltage (1.35V)

Do more with less.



## Super Talent has Apple-compatible DIMMs!

Guaranteed 100% Compatible!

Super Talent memory modules are designed for 100% compatibility with Mac® computers. We test our memory on all the leading Apple systems in Apple's Compatibility Lab.



Apple compatible DDR3 Memory

