

# 2017 Product Overview





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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; 8,567,050; 8,625,270; 8,998,620; 9,357,658

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

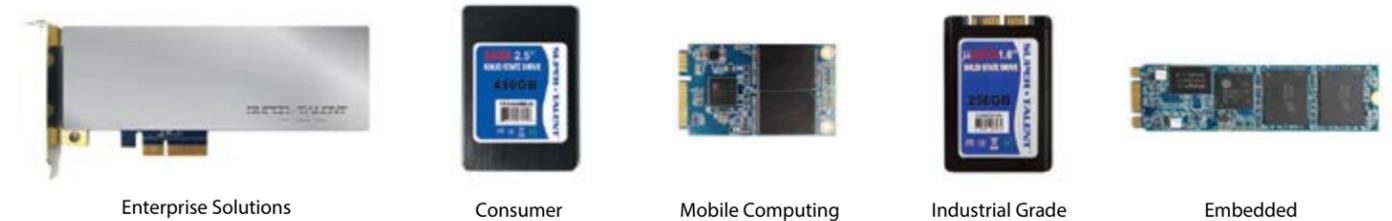
Solid State Drives:  
7,243,185; 6,547,130; 6,874,044; 7,004,780; 7,082,056; 7,073,010; 7,104,807; 7,126,873;  
7,130,958; 7,243,185; 7,257,714; 7,299,316; 7,318,117; 7,849,242; 7,877,542; 7,886,108;  
7,934,074; 8,015,348; 8,019,943; 8,037,234; 8,180,931; 8,266,367; 8,296,467; 8,321,597;  
8,341,332; 8,452,912; 8,543,742; 8,954,654; 8,959,280; 9,123,422; 9,223,642; 9,389,952; 9,405,621;  
9,489,258; 9,457,589; 9,548,108

\* Taiwan Patents  
094106566; 094113217; 094145032; 096132994; 096136141; 097108510; 098213787;  
99100643; 099109613; 099118012

\*China Patents:  
200710154015.3; 200910163527.5; 200910165874.1; 201010135362.3; 201320265197.2

# Flash & DRAM Products

## Solid State Drives



## USB 3.0 Flash Drives



## Memory Products



# Solid State Drives

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.

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

- SuperCache (AIC34)
- PCIe Nova (U.2)
- PCIe Nova Plus
- M.2 PCIe SSD DX3

## • Consumer

- VSSDs

## • Mobile Computing

- mSATA SSDs
- Mini PCIe SSDs
- M.2 SSDs

## • Automotive & Industrial Grade

- DuraDrive SSDs

## • Embedded

- Flash Disk Modules
- IDE Flash Disk Modules

# Enterprise Solutions

# Solid State Drives

Super Talent understands what it takes to hold up under the high demands of enterprise computing. Our server memory is 100% JEDEC compliant and is fully validated on a variety of server platforms. Our enterprise class SSDs deliver fast sequential and random transfer speeds. All our server products are designed and built with uncompromising quality.

## SuperCache (AIC34)

SuperCache is a PCIe NVMe Add In Card type Solid State Drive. It supports a max read speed of up to 3.0 GB/sec and a max write speed as fast as 2.2 GB/sec for Audio/Video Cache application. It also has a great performance of Random 4KB Read/Write up to 340K/260K IOPS. This AIC can also fit into 1U/2U/4U Rack Server System.



### Features

- PCIe Gen.3 x4 lane host interface
- Max Speed: Read up to 3.0 GB/s, Write up to 2.2 GB/s
- Capacities up to 2 TB

Specification	SuperCache(AIC34)
Interface	PCIe x4
Form Factor	PCIe (Gen3)
Capacity	480GB – 2TB
Read/Write (MB/s)	3000/2200
Dimensions (mm)	169.6 x 68.9 x 17.1
Part Number	FPGxxxPSR8

## PCIe Nova (U.2)

Super Talent's PCIe Nova is a choice for those wishing to push SSD performance even higher with the advanced NVMe technology. The PCIe Nova drive allows the increased speeds up to Read/Write of 3000/2200 MB/s and 4KB random Read/Write of 340K/260K iops through the SFF8639 port.



### Features

- Interface : PCIe x4 (Gen3) U.2
- Max Speed: Read up to 3.0 GB/s, Write up to 2.2 GB/s
- Capacities up to 2TB

Specification	PCIe Nova
Interface	PCIe x4 (Gen3)
Form Factor	PCIe NVMe 2.5"(U.2)
Capacity	64GB – 2TB
Read/Write (MB/s)	3000/2200
Dimensions (mm)	69.85 x 100.0 x 9.5
Part Number	FPGxxxPS2B

## PCIe Nova Plus

Super Talent's PCIe Nova Plus is a choice for those wishing to push SSD performance much higher with the advanced NVMe technology. It provides much increased solid speeds of Read/Write of 3000+ MB/s and 4KB random Read/Write of 300K+ iops.



### Features

- Interface : PCIe x4 (Gen3) U.2
- Max Speed: 3000+ MB/s
- Capacities up to 2TB (\*4TB = available later)

Specification	PCIe Nova
Interface	PCIe x4 (Gen3)
Form Factor	PCIe NVMe 2.5"(U.2)
Capacity	64GB – 2TB
Read/Write (MB/s)	3000+ MB/s
Dimensions (mm)	69.85 x 100.0 x 9.5
Part Number	FPGxxxXX2B

### M.2 PCIe SSD DX3

The M.2 PCIe SSD DX3 features outstanding performance in the M.2 form factor with smaller dimensions and reliability are very important. With read speeds of up to 2500 MB/s and write speeds of up to 720 MB/s, the M.2 PCIe SSD DX3 is a great SSD for enterprise solutions. It is available in 120GB to 480GB capacities.



#### Features

- PCIe Gen3 x4
- Max Speed: Read up to 2500 MB/s, Write up to 720MB/s
- Capacities up to 480GB

Specification	M.2 PCIe DX3
Interface	PCIe Gen3 x4
Form Factor	M.2 (NGFF)
Capacity	120GB – 480GB
Read/Write (MB/s)	2500/720
Dimensions (mm)	22.0 x 80.0 x 3.5
Part Number	FPGxxxPSR7

# Laptop/ Desktop

### VSSD CT6

Supertalent VSSD brings performance and solid state drives together at an incredible price. VSSDs allow shorter OS boot up time, faster application loading, and less system power consumption while taking advantage of the 6Gbps SATA III bandwidth.



#### Features

- SATA III Interface
- Max Speed: Read up to 480 MB/s, Write up to 400 MB/s
- Capacities up to 960 GB

Specification	VSSD CT6
Interface	SATA III
Form Factor	2.5"
Capacity	240GB - 960GB
Read/Write (MB/s)	480/400
Dimensions (mm)	69.85 x 100 x 7.0 mm
Part Number	FTxxxMM25

Affordable 2.5" SATA TLC SSD  
VSSD

### 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 SJ2	mSATA mini SJ2	mSATA DX1
Interface	SATA-III	SATA-III	SATA-III
Form Factor	Mini PCIe	Mini PCIe	Mini PCIe
Capacities	16GB – 128GB	16GB – 64GB	32GB-256GB
Read/Write (MB/s)	300/100	300/100	480/300
Dimensions (mm)	50.8 x 29.8 x 3.5	29.85 x 26.8 x 3.5	50.8 x 29.85 x 3.5
Part Number	FM5 xxxMTRM	FM2xxxJPRx	FMxxxxJCRM

\* 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 DX1	Half Mini 2 PCIe SM1
Interface	SATA-III	IDE/PATA
Form Factor	Mini PCIe	Mini PCIe
Capacity	32GB – 256GB	16GB – 128GB
Read/Write (MB/s)	480/400	130/120
Dimensions (mm)	69.5x32.1x3.5	51.0 x 30.0 x 3.5
Part Number	FMTxxxJxRM	FERxxxMDRM



**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

# 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.



IT applications within the aerospace and automotive industries call for outstanding product quality and reliability including high resistance to shock, vibration, temperature, and moisture. Super Talent data storage solutions for these applications assure data integrity under severe environmental conditions. Super Talent products are subject to rigorous testing in our in-house facilities before shipping, resulting in highly reliable and durable devices.

## 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)

## SSDs perform at highway speeds

- Uses high bandwidth connections such as SATA-III
- High read/write speeds

## Standard SSD options

- 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



DuraDrive AT7

## DuraDrive AT7

Super Talent's DuraDrive AT7 is an ultra-rugged and reliable high performance solid state drive built for extreme use. With max speeds of up to 553 MB/s sequential read and 457 MB/s sequential write, this drive is built to be used by applications that require high data transfer speeds.



### Features

- SATA III Interface
- Max Speed: Read up to 553 MB/s, Write up to 457 MB/s
- Capacities up to 2TB

Specification	DuraDrive AT7
Interface	SATA III
Form Factor	2.5"
Capacity	64GB – 2TB
Read/Write (MB/s)	553/457
Dimensions (mm)	69.85 x 100.0 x 6.8mm
Part Number	FTMxxxMU2P

Specification	DuraDrive ET4	DuraDrive ZT4	DuraDrive KX4
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Interface	IDE/PATA	IDE/ZIF-40	uSATA-III
Form Factor	1.8"	1.8"	1.8" uSATA
Capacities	32GB – 1TB	16GB – 256GB	64GB – 2TB
Read/Write (MB/s)	130/120	130/120	500/400
Dimensions (mm)	69.85 x 100.2 x 9.5	52.0 x 70.0 x 5.1	54.0 x 78.5 x 5.0
Part Number	FExxxxMJ2x	FEUxxxMD1X	FTRxxxMU1x

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

### 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	M.2 PCIe SSD DX3	M.2 PCIe SSD DX2	M.2 DX3
			
<b>Interface</b>	<b>PCIe Gen3 x4</b>	<b>PCIe</b>	<b>SATA-III</b>
<b>Form Factor</b>	M.2 (NGFF)	M.2 (NGFF)	M.2 (NGFF)
<b>Capacities</b>	120GB – 480GB	32GB – 256GB	64GB – 512GB
<b>Read/Write (MB/s)</b>	2500/720	550/320	480/400
<b>Dimensions (mm)</b>	22.0 x 80.0 x 3.5	22.0 x 80.0 x 3.5	22.0 x 80.0 x 3.5
<b>Part Number</b>	FPGxxxPSR7	FNxxxJ5RM	FNxxxMMRM

Specification	M.2 DX2	M.2 ST3	M.2 ST2	7-pin SATA FDM SJ2
				
<b>Interface</b>	<b>SATA-III</b>	<b>SATA-III</b>	<b>SATA-III</b>	<b>SATA-III</b>
<b>Form Factor</b>	M.2 (NGFF)	M.2 (NGFF)	M.2 (NGFF)	SATA 7-pin
<b>Capacities</b>	64GB – 512GB	64GB – 512GB	16GB – 128GB	8GB – 128GB
<b>Read/Write (MB/s)</b>	480/400	480/200	480/80	300/100
<b>Dimensions (mm)</b>	22.0 x 80.0 x 3.5	22.0 x 42.0 x 3.5	22.0 x 42.0 x 3.5	52.0 x 38.5 x 7.5
<b>Part Number</b>	FNxxxMURx	FNxxxMURx	FNxxxMURx	FNxxxMURx

Specification	7-pin SATA DOM SJ2	22-pin SATA SJ2 Horizontal	SATA Slim SJ2
			
<b>Interface</b>	<b>SATA-III</b>	<b>SATA-III</b>	<b>SATA-III</b>
<b>Form Factor</b>	SATA 7-pin	SATA 22-pin	SATA 22-pin
<b>Capacities</b>	8GB – 64GB	8GB – 64GB	8GB – 128GB
<b>Read/Write (MB/s)</b>	300/100	300/100	480/400
<b>Dimensions (mm)</b>	43.0 x 23.0 x 7.6	55.2 x 30.0 x 10.6	54.0 x 39.8 x 4.0
<b>Part Number</b>	FDVxxxJPRM	FFxxxJPRM	FMxxxMURM

### 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.

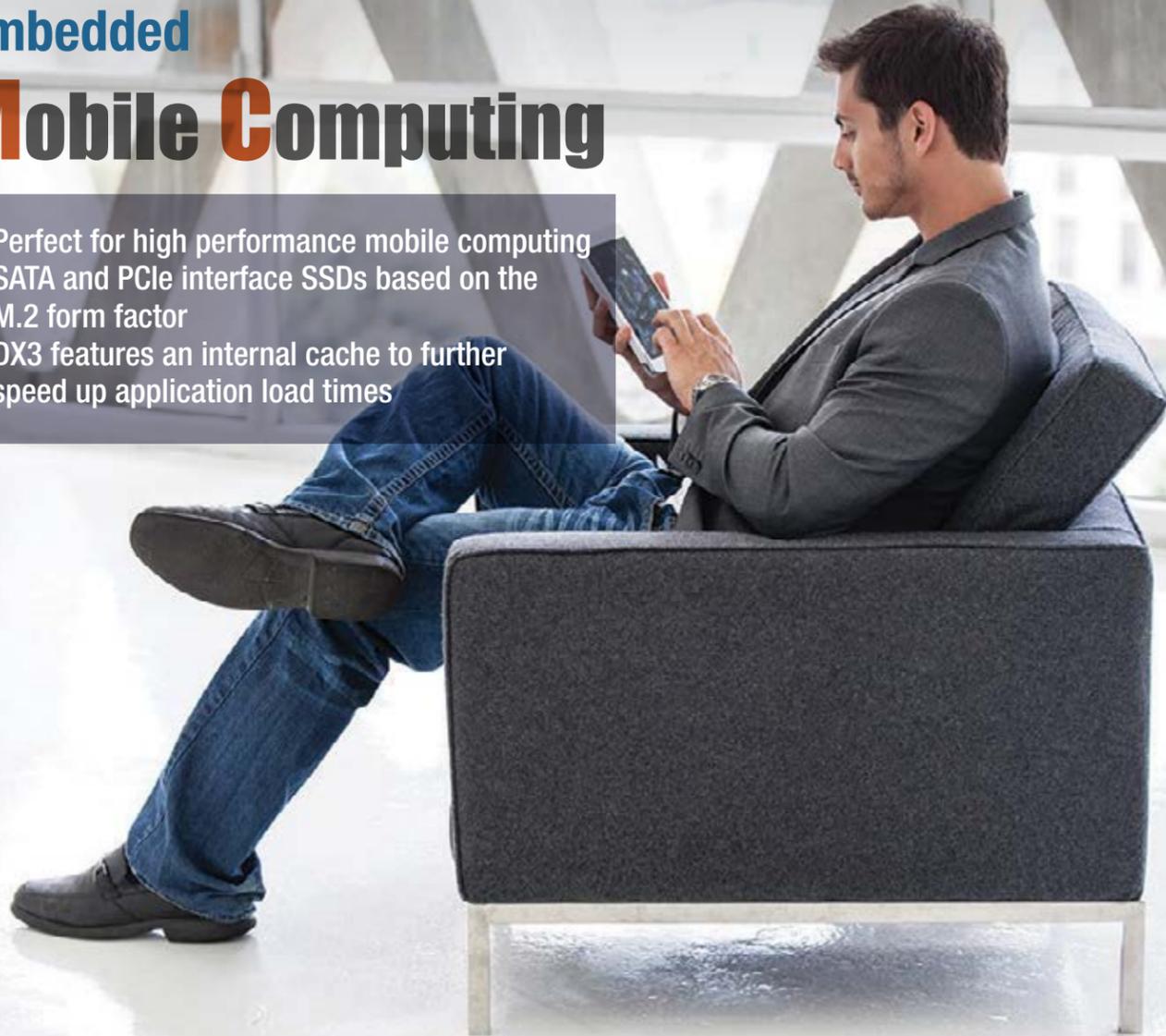
Specification	40-pin IDE Vertical	40-pin IDE Horizontal	44-pin IDE Vertical	44-pin IDE Horizontal
				
<b>Interface</b>	<b>IDE/PATA</b>	<b>IDE/PATA</b>	<b>IDE/PATA</b>	<b>IDE/PATA</b>
<b>Form Factor</b>	FDM	FDM	FDM	FDM
<b>Capacities</b>	16GB – 128GB	16GB-128GB	16GB-128GB	16GB-128GB
<b>Read/Write (MB/s)</b>	130/120	130/120	130/120	130/120
<b>Dimensions (mm)</b>	58.2 x 28.9 x 6.7	51.3 x 31.3 x 7.5	56.0 x 29.0 x 6.7	47.8 x 29.0 x 7.2
<b>Part Number</b>	FExxxMDRM	FExxxMDRM	FExxxMDRM	FExxxMDRM

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



# Embedded Mobile Computing

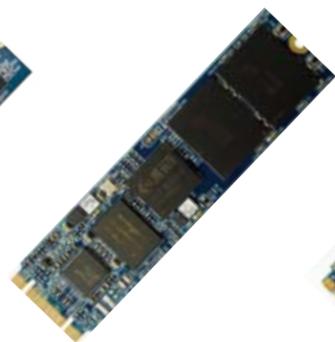
- Perfect for high performance mobile computing
- SATA and PCIe interface SSDs based on the M.2 form factor
- DX3 features an internal cache to further speed up application load times



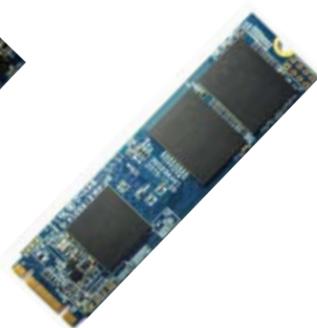
Super Talent's M.2 line features small form factor storage for use in mobile computing and with embedded applications. These NAND flash memory devices are ideal for use in server storage, medical equipment, and other uses requiring a small form factor. Like all Super Talent products, the M.2 line delivers reliability and high performance.



M.2 PCIe SSD DX3



M.2 PCIe SSD DX2



M.2 DX3



M.2 ST3

# STT USB Drives

## USB 3.1 & 3.0 Series



Super Talent's USB 3.1 & USB 3.0 collection focuses on high-quality, speedy devices. With many of the USBs featuring multiple channels of flash, this series is filled with lightening fast drives.

### The USB 3.1 Portable RAIDDrive

The USB 3.1 Portable RAIDDrive takes advantage of the increased bandwidth of the USB 3.1 interface to offer speeds of up to 700/650 MB/s read writes to a portable storage device. It can easily transfer large files within a matter of seconds and comes in capacities of up to 1TB.



#### Features

- Read up to 700 MB/s, Write up to 600 MB/s
- Capacities from 120 GB to 960 GB
- Very high performance pocket-sized storage device
- Backwards compatible with USB 3.0 and 2.0
- 4 Channels
- Dimensions: 115.0mm x 63.3mm x 8mm

\*Some devices may not support removable storage, please check with the product manufacturer first.

### USB 3.0 Data★Retainer

Ensure files that are saved on a USB do not deteriorate over time! Maintain your USB drive's write endurance to prolong its life.

#### Features

- Acts as a standalone 8GB USB 3.0 drive
- Prevent data deterioration for up to one year
- Data is arranged and efficiently stored in flash to maximize retention



### STT Storage Enhancer/GNSD

Super Talent's Storage Enhancer is an amazing driver that extends the endurance of the SSD and improves the data transfer rate within the whole system. Codenamed "GNSD", it supports multiple versions of Microsoft Windows operating systems.

#### PCmark7 Test

	Typical SSD	Competitor's software	STT's GNSD
Secondary Storage Score	2,325	6,031	6,537
Raw Secondary Storage Score	616	16,185	82,928

# USB 3.1 & 3.0 Series

## STT USB Drives



### 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



### USB 3.0 Pico

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.

#### Features

- Convenient, small size
- Water resistant
- Compatible with USB 3.0 and USB 2.0
- Sturdy and stylish aluminum casing



### 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



### 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



### Express ST1 Series

The ST1 is available in three different enclosure designs, all with one channel of flash.

#### Features

- Capacities up to 256GB
- Able to handle large files
- Backwards compatible with USB 2.0



### USB 3.1(Gen1) Express 3C

The Super Talent's USB 3.1 Express 3C is a dual-sided USB design that works on both standard USB Type A and the new Type-C ports and allows users to easily and fast transfer files, photos, or music between your mobile devices and PCs.

#### Features

- USB 3.1(Gen1) and USB Type-C dual end drive
- Easily transfer and store data with this device
- Plug and play device. Support all new USB Type-C connections

# TwoDrive

## STT USB Drives

Super Talent's TwoDrive is a high-speed flash drive with Lightning and USB 3.0 dual end connectors to quickly and easily transfer files, photos and videos between iPhone, iPad, PCs and Mac Computers, and supports multiple Image/Audio/Video/Document formats (A wide variety of formats are supported)



#### Features

- For use with Lightning and USB3.0 connectors
- Lightning and USB Super Speed connections for fast data transfer.
- Designed with a rotational connector allows users to easily swing the Lightning plug while the plug is in use.

- Capacity: 16GB - 128GB
- Dimension: 76 x 22 x 8 mm
- Read: 120MB/s, Write: 60MB/s

Capacity	Part Number
16GB	STT016GBLT
32GB	STT032GBLT
64GB	STT064GBLT
128GB	STT128GBLT



USB 3.0



Lightning



# Pico Series

## STT USB Drives

### Pico Series - World's smallest 128GB USB Drive...

Pico series USB drives are incredibly small and stylish flash drives offered in 4GB to 128GB 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 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



	4GB	8GB	16GB	32GB	64GB	128GB
<b>A</b>	STU4GPAS	STU8GPAS	STU16GPAS			
<b>C</b>	STU4GPCS	STU8GPCS	STU16GPCS		STU64GPCS	STU28GPCS
<b>C Gold</b>	STU4GPCG	STU8GPCG	STU16GPCG	STU32GPCG	STU64GPCG	STU28GPCG
<b>C Nickel</b>	STU4GPCN	STU8GPCN	STU16GPCN	STU32GPCN	STU64GPCN	
<b>E</b>	STU4GPES	STU8GPES	STU16GPES			
<b>E Gold</b>	STU4GPEG	STU8GPEG	STU16GPEG	STU32GPEG		

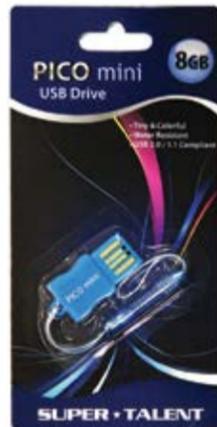
### Pico mini USB Drives

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 64GB.

- 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



Capacity	Pico mini A	Pico mini B	Pico mini C
<b>4GB</b>	STU4GMAG (Green)	STU4GMBG (Green)	STU4GMCK
<b>8GB</b>	STU8GMAB (Blue)	STU8GMBB (Blue)	STU8GMCK
<b>16GB</b>	STU16GMAK (Black)	STU16GMBK (Gray)	STU16GMCK
<b>32GB</b>	-	-	STU32GMCK
<b>64GB</b>	-	-	STU64GMCK



# Elite, Eco Series

## STT USB Drives



**Pico Motile** Capacity: 16GB - 64GB  
Dimension: 27.0 x 15.0 x 6.3 mm

Capacity	Pico Motile
16GB	STU16PICM
32GB	STU32PICM
64GB	STU64PICM



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

Capacity	M1
4GB	STU4GM1W
8GB	STU8GM1W
16GB	STU16GM1W



**CKB** Capacity: 4GB - 64GB  
Dimension: 40 x 25.9 x 3.7mm

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



**RM** Capacity: 4GB - 64GB  
Dimension: 57.6 x 19 x 10.4 mm

Capacity	Black	Blue	Red	White
4GB	STU4GRMBK	STU4GRMBL	STU4GRMRR	STU4GRMRW
8GB	STU8GRMBK	STU8GRMBL	STU8GRMRR	STU8GRMRW
16GB	STU16GRMBK	STU16GRMBL	STU16GRMRR	STU16GRMRW
32GB	STU32GRMBK	STU32GRMBL	STU32GRMRR	STU32GRMRW
64GB	STU64GRMBK	STU64GRMBL	STU64GRMRR	STU64GRMRW



**RM2** Capacity: 4GB - 64GB  
Dimension: 61 x 19 x 11.6 mm

Capacity	Black	Blue	Red	White
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)





# Custom USB Drives



## Get Quote

Super Talent manufactures a wide variety of USB flash drive styles, colors and capacities for you to customize. Promote your business with presentations and brochures or share your memories with videos and pictures! All our drives are USB 3.0 and USB 2.0 compliant, 100% tested and backed by our limited lifetime warranty providing you with the most reliable flash drives you can customize.



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://supertalent.com/products/custom\\_usb.php](http://supertalent.com/products/custom_usb.php)

# Custom USB Drives

*Large selection of Custom USB Drives*

## We specialize in custom services for USB drives including:

- Custom Logo Printing & Packaging
- Preloaded Software
- Auto-play feature
- Custom Casing Color or Casing Design.
- AES-256 Encryption Options

## USB 3.0 Series

We now offer customizable drives with USB 3.0 speeds! With several color options and sleek design, the USB 3.0 collection is ready for your personalized logo or text.



## Swivel Series

The Swivel Series features several variations on the well-known swivel USB design.



## Traditional Case Series

This collection puts a spin on the traditional USB case designs by offering a plethora of housing shapes and materials.



*Choose a USB drive from our extensive collection...*

# Flash Media 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.



**Capacities:** 8GB, 16GB, 32GB, 64GB, 128GB, 256GB

**Speeds:**  
Up to 480 MB/sec read, Up to 240 MB/sec write

**Technical Details:**

- Flash type: MLC
- Dimensions (approx.): 36.4x42.8x3.3mm
- SATA III interface

## • High Speed CF Cards

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



**Capacities:** 2GB, 4GB, 8GB, 16GB, 32GB, 64GB

**Speeds:** 900x, 300x

**Technical Details:**

- Impact resistant - operating shock rating of 2,000Gs
- Power requirements: 3.3V or 5.0V
- Supports ATA command set
- Dimensions (approx.): 42.8 x 36.4 x 3.3mm
- Weight: 13g (max)

## • I-Temp CF Cards

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



**Capacities:** 2GB, 4GB, 8GB, 16GB, 32GB

**Speeds:** 900x, 300x

**Technical Details:**

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



## MicroSD Cards - Class 10 / U1, U3



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.

**Capacities:** 4GB, 8GB, 16GB, 32GB, 64GB, 128GB

**Technical Details:**

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

\*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.

# Overclocking DDR4



## PROJECT X DDR4

- Capacities: 4 GB - 16 GB
- Voltage Support: 1.35V
- Speeds: 3000, 3200, 3466, 3600, 3733Mhz

### Features

- Memory modules that support overclocked speeds
- Aggressively tuned to deliver exceptional performance
- Guaranteed to operate at specified speeds to ensure compatibility and performance



### Descriptions

The Super Talent PROJECT X DDR4 represents the most advanced overclocking DDR4 memory modules available today. It is specially designed for overclocking Gamer Enthusiasts worldwide passing the most stringent test screens for speed and reliability. Project X memory modules combine blistering fast clocking speeds with aggressively turned latencies.

It delivers superior speeds up to 3733 Mhz with lower power consumption and improved performance. In addition, this memory module employs an efficient cooling aluminum solution that offers a sleek surface area. With Super Talent's unique thermal adhesive, this cooling solution provides superior heat dissipation that results in a cooler and faster memory device.

# DDR4 Memory

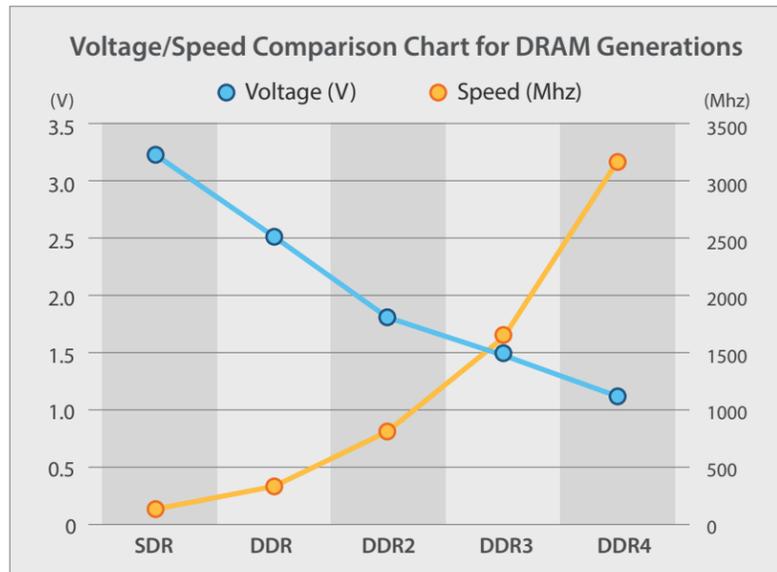
DDR4 DRAM is the next generation of DRAM which delivers speeds up to double that of the previous generation DDR3 DRAM. It consumes 20% less power, offers increased module density with 288-pin count, and has a significant bandwidth increase.



- Double the speed of previous generation DDR3 DRAM
- 20% less power consumption and increased module density

## DDR4 ECC UDIMM, UDIMM, LRDIMM, RDIMM, SODIMM

- Capacities: 4 GB - 64 GB
- Voltage Support: 1.2V
- Speeds: 1866, 2133, 2400, 2666, 2800MHz



\*This graph depicts how each generation of DRAM brings an improvement in performance while efficiently using resources.

# DRAM Modules

## Memory Module

### 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



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

### Laptop Memory

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

### 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

## 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 its 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



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OEM Sales: oemsales@supertalent.com

**SUPER ★ TALENT**<sup>®</sup>  
THE BEST MEMORY

[www.supertalent.com](http://www.supertalent.com)