

Super Talent - OEM Solution Provider

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



Design

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



Manufacturing

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



Testing

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



Logistics

Super Talent 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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SUPER ★ TALENT[®]
 THE BEST MEMORY

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 THE BEST MEMORY

2013 Product Overview

Enterprise
Server

Workstation



RAIDDrive II

Industrial
Military
Automotive



TeraNova



VSSD Bolt

Desktop
Laptop



Half mini PCIe GW

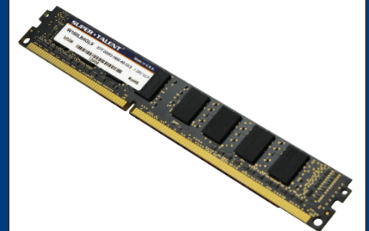
Mobile
Tablet
Notebook

Embedded



USB 3.0 FDM

DRAM
Modules



Server Memory



USB 3.0 Express RC4

USB 3.0
Flash Drives



CF Card

Flash Media
Cards



Your Source for Quality...
Flash & DRAM
Products...

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MEMORY PRODUCTS

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Apple® Memory	20

*** 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



USB 3.0 Flash Drives



Memory Products



Solid State Drives

The Broadest Portfolio
in the Industry...



Enterprise Server

- Server, Workstation, Extreme Performance



• Enterprise Server



- RAIDDrive SSDs
- SuperNova
- TeraDrive SSDs
- DuraNova III

• Desktop/Laptop



- VSSD Bolt
- UltraDrive SSDs
- SuperNova
- TeraDrive
- DuraNova III

• Mobile/Tablet



- mSATA
- Netbook SSDs

• Industrial/Military



- DuraDrive SSDs
- DuraNova III

• Embedded



- FDM
- CoreStore SSDs

• Automotive



- DuraDrive AT3
- DuraNova III

RAIDDrive SSDs



RAIDDrive GS

- PCIe x8 interface
- Burst speed (max): Read 1.4GB/s, write 1.2GB/s
- Capacities up to 2TB
- Supports up to 140K IOPS



RAIDDrive II

- Server write back capability
- 2.5GB/s read, 3.0GB/s write
- PCIe x8 (Gen2) host interface
- Capacities up to 2TB

Built for the Enterprise server, our RAIDDrive SSD increases application performance and reduces latency by providing unparalleled bandwidth of up to 2GB/s. Designed to fit into a low profile server, the SuperTalent RAIDDrive can simplify your IT infrastructure while reducing operating and capital costs.

Specification	RAIDDrive GS	RAIDDrive II
Interface	PCIe x8 (Gen 1)	PCIe x8 (Gen 2)
Form Factor	PCIe x8 (Gen 1)	PCIe x8 (Gen 2)
Capacities	256GB - 2TB	480GB - 2TB
NAND Flash	MLC	MLC
Performance	Access Time	0.1ms
Burst Speed	Read/Write (MB/sec)	1400/1200
RAID Function	0/5	0/5
RAID Cache Size	512MB	1GB
Number of Port	4port/8port with Expander	8 port
Battery Backup	No (Optional)	No (Optional)
Reliability (MTBF)	>1,500,000 hrs	>1,500,000 hrs
Dimensions (mm)	255 x 107 x 25.4	224.6 x 94.0 x 20.0
Part Number	RG5xxxx	R25xxxx R25xxxxE (for Mac)

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

SuperNova



Features

- Perfect for super computing
- Over 500MB/s read/write speeds
- Thermal conductive silicon padding
- Underfilling technology
- Supports S.M.A.R.T.

SuperNova™ SSDs are perfect for large corporations, small companies, and even consumers seeking extreme performance. Using the SATA III interface, the SuperNova has read and write speeds of over 500MB/s. SuperNova SSDs also feature S.M.A.R.T. – Self Monitoring Analysis and Reporting Technology – which can help prevent unexpected outage or data loss by detecting and reporting on a number of reliability indicators. The SuperNova is our highest-performing, most secure and reliable 2.5" SSD yet.

Specification	SuperNova SSD
Interface	SATA III
Form Factor	2.5"
Capacities	128GB, 256GB
NAND Flash	MLC
Performance	Access Time
	Read/Write (MB/sec)
Super Cap	No
Internal Cache Size	N/A
Power Supply	5V ± 10%
Reliability (MTBF)	>1,200,000 hrs
Dimensions (mm)	69.85 x 100.20 x 7
Warranty	2 years
Part Number	FTMxxS325H



SuperNova Video

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.

TeraDrive SSDs



The TeraDrive™ line is our enterprise offering. Exclusively featuring advanced SandForce™ controllers, the TeraDrive 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 & II interface
- Protection from sudden power loss
- Best for enterprise data centers

Specification		TeraDrive CT3	TeraNova
Interface		SATA III	SATA III
Form Factor		2.5"	2.5"
Capacities		60, 120, 240, 480GB	60, 120, 240, 480GB
NAND Flash		MLC	MLC
Performance	Access Time	0.1ms	0.1ms
	Read/Write (MB/sec)	Up to 550/520	Up to 550/520
Super Cap		No	No
Internal Cache Size		N/A	N/A
Power Supply		5V ± 10%	5V ± 10%
Reliability (MTBF)		>2,000,000 hrs	>1,000,000 hrs
Dimensions (mm)		69.85 x 100.2 x 9.00	69.85 x 100.2 x 9.00
Warranty		3 years	3 years
Part Number		FTMxxC325H	FTMxxN325H

DuraNova III



As a part of Super Talent's DuraDrive family, the DuraNova III is built for harsh operating environments. Along with excellent durability and reliability, the DuraNova III provides remarkable performance with read/write speeds of up to 520/500MB/s. And it features a SATA III interface for compatibility with the latest systems.



Features

- SATA III interface
- 10-channel SSD controller
- Supports temperatures between -40°C to 85°C
- Secure Erase feature standard

Specification		DuraNova III
Interface		SATA III
Form Factor		2.5"
Capacities		64GB, 80GB, 160GB, 320GB
DRAM Cache		Up to 256MB
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	520/500
Internal Cache Size		N/A
Power Supply		5V ± 10%
Reliability (MTBF)		>1,000,000 hrs
Dimensions (mm)		69.85 x 100.2 x 9.50
Warranty		3 years (SLC) 3 years (MLC)
Part Number		FTDxD325(SLC) FTMxxD325(MLC)

Desktop/Laptop

- High Performance Storage



VSSD Bolt

The Super Talent VSSD Bolt brings performance and solid-state technology together at an incredible price. With a second-generation SandForce controller, the VSSD Bolt has read/write speeds of 250MB/s – up to 3x faster than the previous generation VSSDs. Available in capacities from 16GB to 128GB, the VSSD Bolt allows customers to enter the SSD world on a limited budget while still enjoying the performance and reliability gains SSDs bring to their computers.



VSSD Bolt Video

Features

- Budget friendly
- Enterprise level quality and reliability
- Up to 250 read, 250 write (MB/s)
- Capacities up to 128GB

Specification		Value SSD Bolt
Interface		SATA II
Form Factor		2.5"
Capacities		16GB, 24GB, 32GB, 48GB, 64GB, 96GB, 128GB
DRAM Cache		N/A
NAND Flash		MLC
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	250/250
Internal Cache Size		N/A
Power Supply		5V ± 5%
Reliability (MTBF)		>1,200,000 hrs
Dimensions (mm)		69.85 x 100.20 x 9.00
Warranty		1 years
Part Number		FTMXXG425V or FTMXXG825V

UltraDrive SSD

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



Features

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

Specification		UltraDrive MX2	UltraDrive MX3
Interface		SATA II, mini-USB connector	SATA III
Form Factor		2.5"	2.5"
Capacities		60, 120, 240, 480GB	64, 128, 256GB, 512GB
NAND Flash		MLC/SLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms
	Read/Write (MB/sec)	240/180	520/400
Super Cap		No	No
Internal Cache Size		64MB	Up to 256MB
Power Supply		5V ± 10%	5V ± 10%
Reliability (MTBF)		>1,000,000 hrs	>1,000,000 hrs
Dimensions (mm)		69.85 x 100.20 x 9.50	69.85 x 100.2 x 7.00
Warranty		2 years (SLC) 2 years (MLC)	2 years (SLC) 2 years (MLC)
Part Number		FTDxxM225H (SLC) FTMxxM225H (MLC)	FTDxxM325H FTMxxM325H

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.

Mobile/Tablet



Mini PCIe SSDs

Super Talent produces a selection of SSDs designed specifically for upgrading popular netbook models. Upgrading to an SSD provides shorter boot up times, faster application loading, and less power consumption than a traditional hard disk.



Mini PCIe GW



Half Mini PCIe GW



SATA Mini 2 PCIe

Specification	Mini PCIe GW	Half Mini PCIe GW	SATA Mini 2 PCIe
Interface	IDE/PATA	IDE/PATA	SATA II
Form Factor	miniPCIe	Half miniPCIe	miniPCIe
Capacities	16 - 128GB(MLC)	16 - 64GB(MLC)	16-64GB(MLC) 16-32GB(SLC)
NAND Flash	MLC	MLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms
MLC	Read/Write (MB/sec)	110/40	150/100
SLC	Read/Write (MB/sec)	N/A	170/130
Netbook Compatibility	Asus Eee PC 70x, 90x, 1000	Dell Inspiron	Asus Eee PC 900, 900A, 901, S101
Dimensions(mm)	32.1 x 69.5	30 x 51	32.1 x 69.5
Warranty	1 year	1 year	1 year
Part Number	FPMxxGWAE	FEMxxGWDL	FPMxxGLSE (MLC) FPDxxGLSE (SLC)

mSATA SSDs

Our JEDEC MO-300B compatible mSATA SSDs are perfect for systems with limited storage space, such as tablets – all without sacrificing performance. And we offer OEM customers the opportunity to customize the length and width of the PCB boards for their specific needs.



mSATA 2 (MO-300B)



mSATA 3 (MO-300B)

Specification	mSATA 2 (MO-300B)	mSATA 3 (MO-300B)
Interface	SATA II	SATA III
Form Factor	mSATA	mSATA
Capacities	30 - 120GB(MLC)	30 - 120GB(MLC)
NAND Flash	MLC	MLC
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	280/255
Netbook Compatibility	JEDEC MO-300B compatible	JEDEC MO-300B compatible
Dimensions(mm)	30 x 51*	30 x 51*
Warranty	1 year	1 year
Part Number	SGxxNx4SM	SGxxNx3SM

*Dimensions can be customized for OEMs.

Industrial/Military



DuraDrive SSDs



Super Talent's DuraDrive™ SSDs represent state-of-the-art storage solutions for industrial, embedded, and military applications. These SSDs provide unprecedented vibration, shock, humidity, altitude, and temperature tolerances while delivering impressive speeds. Our industrial grade DuraDrive™ line is military tested and recommended.

Specification	DuraDrive AT2	DuraDrive AT3	DuraDrive ET2	DuraDrive ET2D
Interface	SATA III	SATA III	IDE/PATA	IDE/PATA
Form Factor	2.5"	2.5"	2.5"	2.5"
Capacities	16GB - 128GB (SLC) 32GB - 256GB (MLC)	32GB - 256GB (MLC)	16GB - 128GB (SLC) 32GB - 256GB (MLC)	16GB - 64GB (SLC) 32GB - 128GB (MLC)
DRAM Cache	64MB	128MB	64MB	N/A
Performance	Read/Write (MB/sec)	Up to 125/110	Up to 250/170	Up to 125/110
Dimensions(mm)	69.9 x 100.2 x 9.5	69.85 x 100.20 x 9.00	69.9 x 100.2 x 9.5	69.9 x 100.2 x 9.5
Part Number	FTDxxGW25x (SLC) FTMxxGW25x (MLC)	FTMxxG825I (MLC)	FHDxxGW25x (SLC) FHMxxGW25x (MLC)	FHDxxY225x (SLC) FHMxxY225x (MLC)

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

DuraNova III

As a part of Super Talent's DuraDrive™ family, the DuraNova III is built for harsh operating environments. Along with excellent durability and reliability, the DuraNova III provides remarkable performance with read/write speeds of up to 450/400MB/s. It features a SATA III interface for compatibility with the latest systems.



Features

- SATA III interface
- 10-channel SSD controller
- Supports temperatures between -40°C to 85°C
- Secure Erase feature standard

Specification	DuraNova III
Interface	SATA III
Form Factor	2.5"
Capacities	64GB, 80GB, 160GB, 320GB
DRAM Cache	Up to 256MB
Performance	Access Time
	0.1ms
	Read/Write (MB/sec)
	520/500
Power Supply	5V ± 10%
Reliability (MTBF)	>1,000,000 hrs
Dimensions (mm)	69.85 x 100.2 x 9.00
Warranty	3 years
Part Number	FTDxD325(SLC) FTMxD325(MLC)





Embedded

- Automotive • Aerospace • Medical
- Manufacturing • Mobile Devices





USB/ SATA/ IDE FDMs

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 from laptops to surveillance equipment, and even medical instruments or point-of-sale terminals. The industry standard IDE connector plugs directly into a motherboard using a 40 or 44-pin IDE connector and uses a 5V power input.

USB/SATA Flash Disk Modules

Specification	USB 3.0 FDM	7-pin SATA FDM	7-pin SATA DOM	22-pin SATA Horizontal
				
Interface	USB 3.0 FDM	SATA II	SATA II	SATA II
Capacities	8GB-32GB	4-128GB	4-32GB	4-128GB
NAND Flash	MLC/SLC	MLC/SLC	MLC/SLC	MLC/SLC
Performance	Access Time 0.2ms	0.1ms	0.1ms	0.1ms
MLC	Read/Write (MB/sec) 85/40	150/80 (MLC)	45/11	150/80 (MLC)
SLC	Read/Write (MB/sec) N/A	165/125 (SLC)	N/A	165/125 (SLC)
Internal Cache Size	N/A	N/A	N/A	N/A
Power Supply	5V ± 10%	5V ± 10%	5V ± 10%	5V ± 10%
Dimensions (mm)	32.2 x 26.2 x 4	55 x 33	34 x 21	55.2 x 30 x 10.6
Warranty	1 year	1 year	1 year	1 year
Part Number	SMxxNx52H (MLC) SMxxAx52H (SLC)	SMxxNx57R/L(MLC) SMxxAx57R/L(SLC)	SMxxNx57V/H (MLC) SMxxAx57V/H (SLC)	SMxxNx52H (MLC) SMxxAx52H (SLC)

IDE Flash Disk Modules




Specification	40-pin IDE Horizontal	40-pin IDE Vertical	44-pin IDE Horizontal	44-pin IDE Vertical
				
Interface	IDE/PATA	IDE/PATA	IDE/PATA	IDE/PATA
Capacities	4-64GB	4-64GB	4-64GB	4-64GB
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) 110/40	110/40	110/40	110/40
SLC	Read/Write (MB/sec) 110/50	110/50	110/50	110/50
Internal Cache Size	N/A	N/A	N/A	N/A
Power Supply	5V ± 10%	5V ± 10%	5V ± 10%	5V ± 10%
Dimensions (mm)	49.5 x 31.0	58.2 x 33.6	48.0 x 31.0	55.8 x 33.0
Warranty	1 year	1 year	1 year	1 year
Part Number	SFxxNxW41 (MLC) SFxxAxW41 (SLC)	SFxxNxW40 (MLC) SFxxAxW40 (SLC)	SFxxNxW45 (MLC) SFxxAxW45 (SLC)	SFxxNxW44 (MLC) SFxxAxW44 (SLC)

Embedded

- Automotive • Aerospace • Medical
- Manufacturing • Mobile Devices

PCIe/ Mini PCIe FDMs

Super Talent PCIe and Mini-PCIe FDMs offer huge performance gains over a traditional hard disk. By using the PCIe Gen 2 x1 interface, they bypass the SATA speed bottleneck and deliver read/write speeds of up to 350/220MB/s. And their ultra-compact form factor is perfect for embedded applications, industrial PCs, all-in-one PCs, netbooks, and notebooks. The CoreStore MV and CoreStore MP feature 8-channel Marvell controllers and up to 64MB of DDR2 DRAM cache.

Specification	PCIe FDM	CoreStore MV	CoreStore MP
			
Interface	PCIe Gen2 x1	PCIe Gen2 x1	PCIe Gen2 x1
Form Factor	PCIe	Mini PCIe	PCIe x 1
Capacities	8GB-64GB	16 - 128GB(MLC) 16 - 64GB(SLC)	16 - 128GB(MLC) 16 - 64GB(SLC)
Channels	4 Channels	8 Channels	8 Channels
DRAM Cache	N/A	DDR2 64MB	DDR2 64MB
NAND Flash	MLC/SLC	ONFI2.0 MLC/SLC	ONFI 2.0 MLC/SLC
Performance	Access Time 0.2ms	0.1ms	0.1ms
	Read/Write (MB/sec) 150/80 (MLC)	350/80	350/80(MLC), 350/220(SLC)
Dimensions (mm)	26.2 X 0.25 4 x 0.25	30 x 50.95	65 x 80
Warranty	1 year	1 year	1 year
Part Number	SNxxN6AME	SRxxCxMME(MLC) SRxxDxMME(SLC)	SRxxCxMP1(MLC) SRxxDxMP1(SLC)

Automotive SSDs

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



DuraNova III

All terrain means our SSDs are durable

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

Standard SSD options

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

SSDs perform at highway speeds

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

Product lines:



DuraDrive AT3
(SATA II)



DuraNova III
(SATA III)



Front
Back

MCP



Half Mini PCIe

Always have your desktop with you

Super Talent Express RC4 with Windows To Go



Certified Bootable Flash Drive for Windows To Go

- Full 4 Channel SSD architecture
- SSD Controller
- Enterprise Level Provisioning



Certified by Microsoft, the Super Talent Express RC4 is an excellent drive for Windows To Go. Here's why . . .

Blazing fast all-around performance.

- Features an 4-channel architecture, DRAM caching system, and a SSD Processor – it's really a solid-state drive in USB 3.0 flash drive form
- Fast 4k block reads for shorter boot times and faster application loading
- Up to 320/120MB/s sequential read/write speeds

Unparalleled reliability.

- Over-provisioned by 10%
- Built in ECC/EDC functionality
- S.M.A.R.T. Command technology
- Global wear-leveling algorithm to increase the lifespan of each block

Exceptional legacy performance.

- USB 2.0 compatible
- Fills the USB 2.0 bus to its capacity 4K random write speeds of 32MB/s

For more information visit www.supertalent.com/WTG

Windows to Go must be used with PCs that meet the Windows 7 or Windows 8 certification requirements.



SSD Performance & Reliability...

USB 3.0 Drives

Largest Selection of
USB 3.0 Drives...



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 at Super Talent.

SuperCrypt

8-CH SSD Hardware Encrypted Performance



Express RC8

8-CH SSD Performance with SandForce® Write Acceleration



Express RC4

4 channel SSD performance



Express RAM Cache

4-CH Flash drive with DRAM Caching system



Express RC8

Using 8 channels of flash and featuring enterprise level provisioning, the Express RC8 is a SSD in USB 3.0 flash drive form factor.

Features

- Full 8-channel SSD architecture
- Enterprise level provisioning
- Certified for Windows To Go



Watch the video



USB 3.0 DataGuardian

Built-in password protection



Express ST4

New 4 Channel Architecture



Express ST2

USB 3.0 Performance at USB 2.0 Price



Express ST2-3

Capless, twist design



Express ST1

Capless, slider design



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
- Budget friendly



Cache Secure 8 Channel 4 Channel 2 Channel 1 Channel

What's a channel?

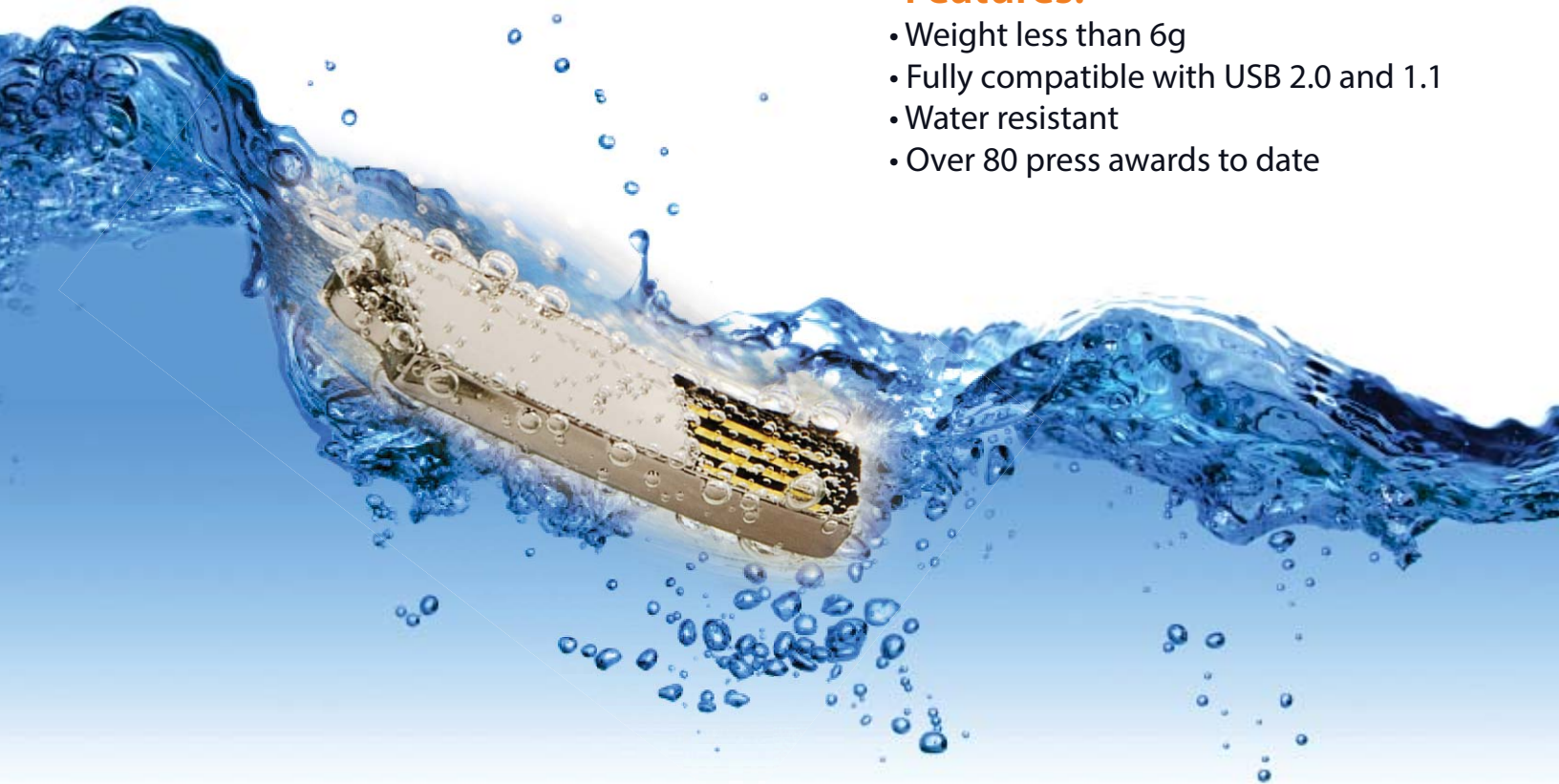
A channel of flash is a unit of flash memory in the USB drive. Having more channels means the drive can have more capacity and an increase in performance. Performance varies depending on drive capacity, system configuration, application and other factors. Usable capacity is less than specified after formatting.

World's smallest 64GB USB drive...

Pico USB Drives

Features:

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



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
31.3 x 12.4 x 3.4mm



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



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



Pico D
-Swivel Lid
39.7 x 13.5 x 4.9mm



Pico E
- Sliding lid
34.8 x 15.8 x 5.2mm



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



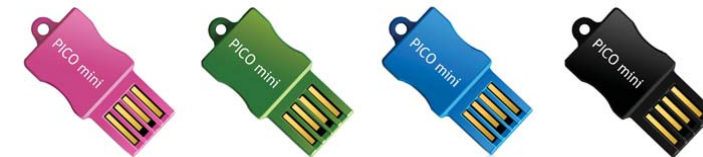
Ordering Information

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

Pico mini USB Drives

Pico mini drives are amazingly small USB drives that weigh only a few grams, but 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 C
Dimension: 31 x 16.2 x 5.2 mm



Pico mini D
Dimension: 30.5 x 15.4 x 3.9 mm



Pico mini B Dimension: 30.5 x 15.4 x 3.4 mm



Ordering Information

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

USB Flash Drives *Elite Series, Eco Series*



Nickel Metal

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

Ordering Information

Capacity	Nickel Metal
2GB	STU2NIKB
4GB	STU4NIKB
8GB	STU8NIKB
16GB	STU16NIKB
32GB	STU32NIKB
64GB	STU64NIKB



Eco Swivel

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

Ordering Information

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



RM

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

Ordering Information

Capacity	Black	Blue	Red	White
2GB	STU2GRMBK	STU2GRMBL	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



CKB

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

Ordering Information

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



RRT

Capacity: 8GB - 32GB
Dimension: 68.0 x 18.0 x 11.0mm

Ordering Information

Capacity	White
8GB	STU8GRR2W
16GB	STU16GRR2W
32GB	STU32GRR2W
64GB	STU64GRR2W



RM2

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

Ordering Information

Capacity	Black	Blue	Red	White
2GB	STU2GRM2-K	STU2GRM2-B	STU2GRM2-R	STU2GRM2-W
4GB	STU4GRM2-K	STU4GRM2-B	STU4GRM2-R	STU4GRM2-W
8GB	STU8GRM2-K	STU8GRM2-B	STU8GRM2-R	STU8GRM2-W
16GB	STU16GRM2-K	STU16GRM2-B	STU16GRM2-R	STU16GRM2-W
32GB	STU32GRM2-K	STU32GRM2-B	STU32GRM2-R	STU32GRM2-W
64GB	STU64GRM2-K	STU64GRM2-B	STU64GRM2-R	STU64GRM2-W

Flash Media Cards

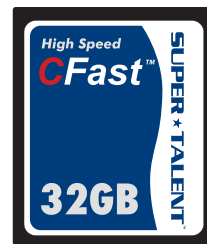


Flash Media Cards



• 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.



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

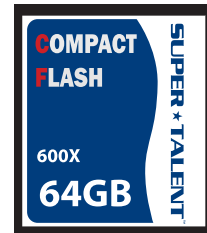
Packaging:



Dimension:
124 x 89.5 x 6.5 mm

• High Speed CF Cards

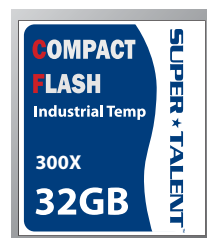
Fast and reliable, CF cards can be used in digital SLR cameras, digital video camcorders, as well as industrial applications.



Capacities:	4GB, 8GB, 16GB, 32GB, 64GB
Speeds:	600x, 533x, 300x, 80x
Technical Details:	<ul style="list-style-type: none"> 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:	300x
Technical Details:	<ul style="list-style-type: none"> 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)

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



Achieve fast read/write speeds with Super Talent's Class 10 MicroSD cards. Available in up to 32GB capacities.

Capacities:	4GB, 8GB, 16GB, 32GB
Technical Details:	<ul style="list-style-type: none"> 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

MicroSD Cards - Class 4



The incredibly small MicroSD cards are great for increasing the storage capacity of your phone, tablet, or other device.

Capacities:	2GB*, 4GB, 8GB, 16GB, 32GB
Technical Details:	<ul style="list-style-type: none"> 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.

Memory you can depend on



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

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
- Reliability under stress

Super Talent Designs the latest DRAM Memory...

Server Memory



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 (Legacy Product)
Capacities: 256MB – 4GB
Voltage support: 1.8V
Speeds: 400, 533, 667, & 800MHz
*VLP option available

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

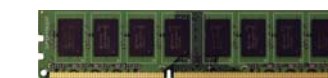
Network/ μServer/ Mini-Server Memory



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



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



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

Apple® Memory



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

Do more with less.
Green Memory

- Uses nearly 40% less PCB material than a standard-height module
- Requires less cooling
- Fully JEDEC compliant and 100% tested

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)

DDR3 RDIMM



DDR3 SODIMM



DDR3 ECC UDIMM



DDR2 RDIMM



Apple® Memory

Super Talent has Apple-approved 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 DDR3 Memory



DDR3 Apple-approved 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.