

## 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 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 logistics 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 & Guang Zhou
- 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

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THE BEST MEMORY

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# 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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#### \* 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

## • Mobile/Tablet



- mSATA
- Netbook SSDs

## • Embedded



- FDM
- CoreStore SSDs

## • Desktop/Laptop



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

## • Industrial/Military



- DuraDrive SSDs
- DuraNova III

## • 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	PCIe
Form Factor		PCIe x8 (Gen 1)	PCIe x8 (Gen 2)
Capacities		256GB - 2TB	480GB - 2TB
NAND Flash		MLC	MLC
Performance	Access Time	0.1ms	0.1ms
	Read/Write (MB/sec)	1400/1200	2500/3000
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	R2Sxxxx R2SxxxxE (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	0.1ms
	Read/Write (MB/sec)	555/525
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		3 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		2 years	2 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) 2 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		2 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
Performance	Access Time	0.1ms
	Read/Write (MB/sec)	240/180
Super Cap		No
Internal Cache Size		Up to 256MB
Power Supply		5V ± 10%
Reliability (MTBF)		>1,000,000 hrs
Dimensions (mm)		69.85 x 100.20 x 9.50
Warranty		3 years (SLC) 2 years (MLC)
Part Number		FTDxxM225H (SLC) FTMxxM225H (MLC)

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



# 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)
DRAM Cache		N/A	N/A	N/A
NAND Flash		MLC	MLC	MLC/SLC
Performance	Access Time	0.1ms	0.1ms	0.1ms
	Read/Write (MB/sec)	110/40	110/40	150/100
SLC		N/A	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		2 years	2 years	2 years(MLC), 3 years (SLC)
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)
DRAM Cache		N/A	N/A
NAND Flash		MLC	MLC
Performance	Access Time	0.1ms	0.1ms
	Read/Write (MB/sec)	280/255	550/500
Netbook Compatibility		JEDEC MO-300B compatible	JEDEC MO-300B compatible
Dimensions (mm)		30 x 51*	30 x 51*
Warranty		2 years(MLC)	2 years(MLC)
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 deliver 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 II	SATA II	IDE/PATA	IDE/PATA
Form Factor	2.5"	2.5"	2.5"	2.5"
Capacities	16GB - 128GB (SLC)		16GB - 128GB (SLC)	16GB - 64GB (SLC)
	32GB - 256GB (MLC)	32GB - 256GB (MLC)	32GB - 256GB (MLC)	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
				120/100
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)		FHDxxGW25x (SLC)	FHDxxY225x (SLC)
	FTMxxGW25x (MLC)	FTMxxG825I (MLC)	FHMxxGW25x (MLC)	FHMxxY225x (MLC)

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

## DuraNova III



### Features

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

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. And it features a SATA III interface for compatibility with the latest systems.

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 9.00
Warranty	3 years (SLC)
	2 years (MLC)
Part Number	FTDxD325(SLC)
	FTMxxD325(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
	Read/Write (MB/sec)	85/40	150/80 (MLC)	45/11	150/80 (MLC)
	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		2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)
Part Number		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
	Read/Write (MB/sec)	110/40	110/40	110/40	110/40
	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		2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)
Part Number		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		2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)	2 years(MLC) 3 years(SLC)
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

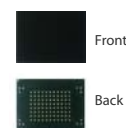
## Product lines:



DuraDrive AT3  
(SATA II)



DuraNova III  
(SATA III)



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 240/100MB/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](http://www.supertalent.com/WTG)

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

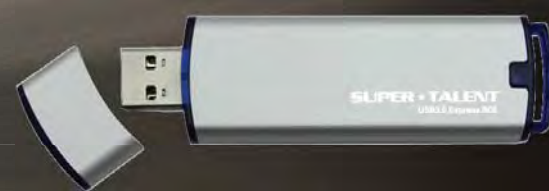




SSD Performance & Reliability...

# USB 3.0 Drives

Largest Selection of  
USB 3.0 Drives...



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

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



## SuperCrypt



The USB 3.0 SuperCrypt combines SSD speeds with 128-bit AES hardware encryption, creating a high-performing drive that helps keep your data. It is offered in capacities from 16GB up to 256GB.

### Features

- 8 channels SSD controller
- 64 MB internal cache
- 128-bit AES hardware encryption
- All data written is automatically encrypted

Watch the video



## 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.

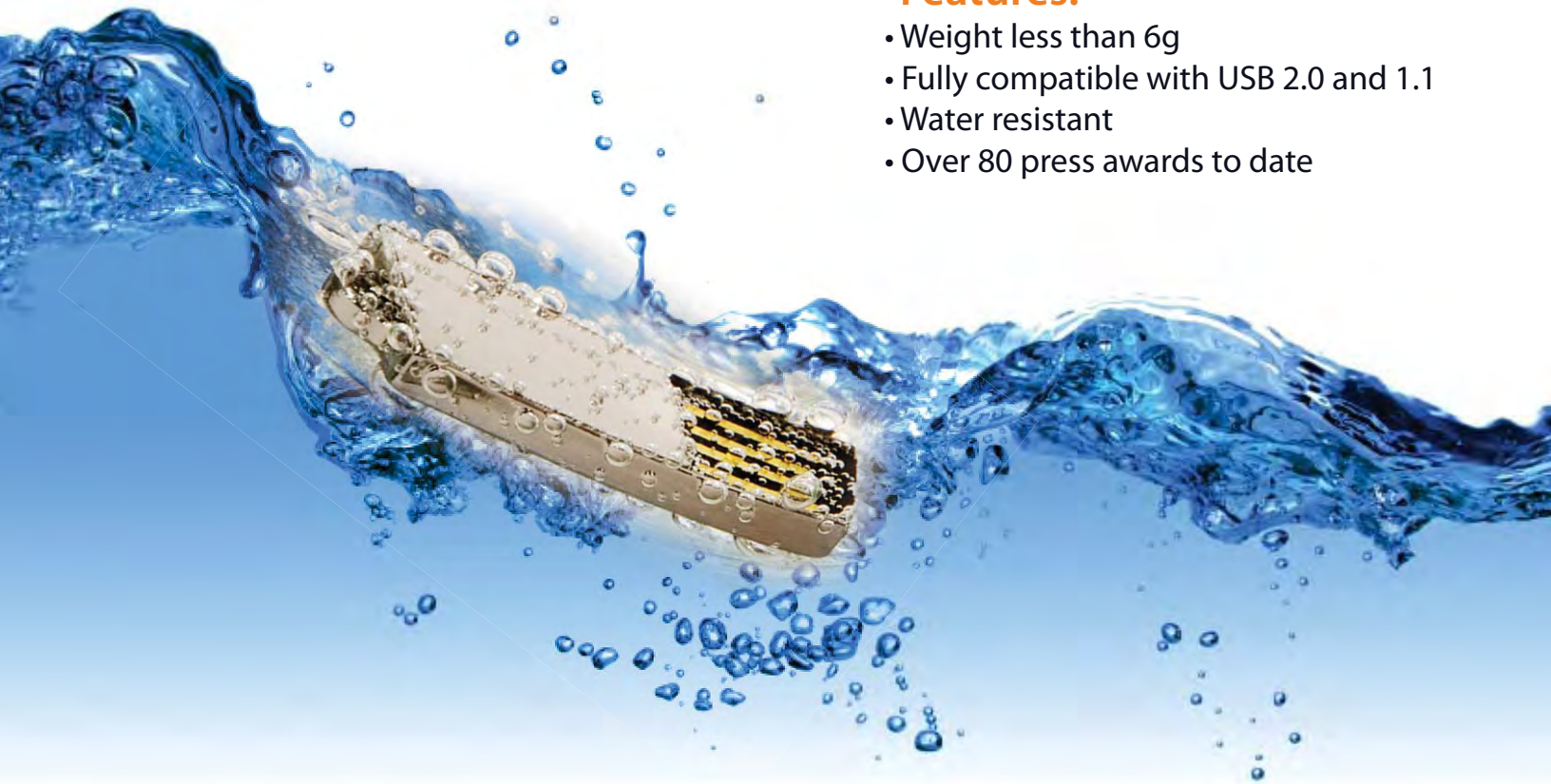


World's smallest

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 your wherever you go or plug it into a USB enabled car stereo and enjoy some music during a commute. 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



	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

	Pico mini A	Pico mini B	Pico mini C	Pico mini D
2GB	STU2GMAP	STU2GMBP	STU2GMCK	STU2GMDU
4GB	STU4GMAG	STU4GMBG	STU4GMCK	STU4GMDU
8GB	STU8GMAP	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
- Eco Swivel

Capacity: 2GB - 64GB

Dimension: 66 x 18 x 12 mm
- RM

Capacity: 2GB - 32GB

Dimension: 57.6 x 19 x 10.4 mm

Capacity	Nickel Metal
2GB	STU2NICKB
4GB	STU4NICKB
8GB	STU8NICKB
16GB	STU16NICKB
32GB	STU32NICKB
64GB	STU64NICKB

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



- 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



- RRT

Capacity: 8GB - 32GB

Dimension: 68.0 x 18.0 x 11.0mm

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



- RM2

Capacity: 2GB - 32GB

Dimension: 61 x 19 x 11.6 mm

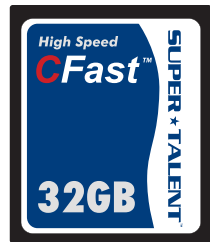
Capacity	Black	Blue	Red	White
2GB	STU2GRM2-K	STU2GRM2-B	STU2GRM2-R	STU2GRM2-W
4GB	STU4GRM2-K	STU4GRM2-B	STU4GRM2-R	STU4GRM2-W
8GB	STU8GRM2-K	STU8GRM2-B	STU8GRM2-R	STU8GRM2-W
16GB	STU16GRM2-K	STU16GRM2-B	STU16GRM2-R	STU16GRM2-W
32GB	STU32GRM2-K	STU32GRM2-B	STU32GRM2-R	STU32GRM2-W
64GB	STU64GRM2-K	STU64GRM2-B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



# Flash Media Cards



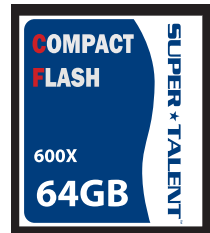
## • CFast



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.

<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>Warranty: 1 year</li><li>SATA II (3Gbps) interface</li></ul>

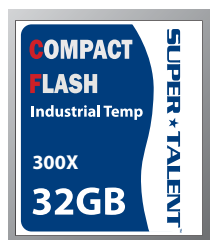
## • High Speed CF Cards



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>	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><li>Warranty: 1 year</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><li>Warranty: 1 year</li></ul>

Packaging:



Dimension:  
124 x 89.5 x 6.5 mm

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. Each flash media card is backed by a 1-year warranty.

## MicroSD Cards - Class 10



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

<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>Warranty: 1 Year</li><li>Optional SD adapter for use in SD devices</li></ul>

## MicroSD Cards - Class 4



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

<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>Warranty: 1 Year</li><li>Optional SD adapter for use in SD devices</li></ul>

## SDXC Cards

With Super Talent's SDXC card, you can store thousands of digital photos or several hours of HD video.\*\* It's fast too.



<b>Capacities:</b>	64GB, 128GB
<b>Technical Details:</b>	<ul style="list-style-type: none"><li>Read/write speeds of up to 120/60 (MB/s)</li><li>Write protection switch to prevent accidental deleting of data</li><li>Operating shock rating of 2,000Gs - impact-resistance</li><li>Power requirements: 2.7V to 3.6V</li><li>Dimensions (approx.): 32mm x 24mm x 2.1mm</li><li>Weight: 2.0g (max.)</li><li>Power consumption: Active &lt; 35mA; Standby &lt; 100uA</li><li>Operating temperature: -25° to 85° C</li><li>Warranty: 1 Year</li></ul>

Packaging:



Dimension:  
114.5 x 89.4 x 5.0 mm

## SD Cards - Class 10

Super Talent's Class 10 SD cards allow you to take photos continuously and transfer files quickly.



<b>Capacities:</b>	4GB, 8GB, 16GB, 32GB
<b>Technical Details:</b>	<ul style="list-style-type: none"><li>Write protection switch to prevent accidental deleting of data</li><li>Operating shock rating of 2,000Gs - impact-resistance</li><li>Power requirements: 2.7V to 3.6V</li><li>Dimensions (approx.): 32mm x 24mm x 2.1mm</li><li>Weight: 2.0g (max.)</li><li>Power consumption: Active &lt; 35mA; Standby &lt; 100uA</li><li>Operating temperature: -25° to 85° C</li><li>Warranty: 1 Year</li></ul>

## SD Cards - Class 4

SD cards from Super Talent are an easy and affordable solution for your data storage needs.



<b>Capacities:</b>	2GB*, 4GB, 8GB, 16GB, 32GB
<b>Technical Details:</b>	<ul style="list-style-type: none"><li>Erase protection switch to prevent accidental deleting of data</li><li>Operating shock rating of 2,000Gs - impact-resistance</li><li>Power requirements: 2.7V to 3.6V</li><li>Dimensions (approx.): 32mm x 24mm x 2.1mm</li><li>Weight: 2.0g (max.)</li><li>Power consumption: Active &lt; 35mA; Standby &lt; 100uA</li><li>Operating temperature: -25° to 85° C</li><li>Warranty: 1 Year</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.



# 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



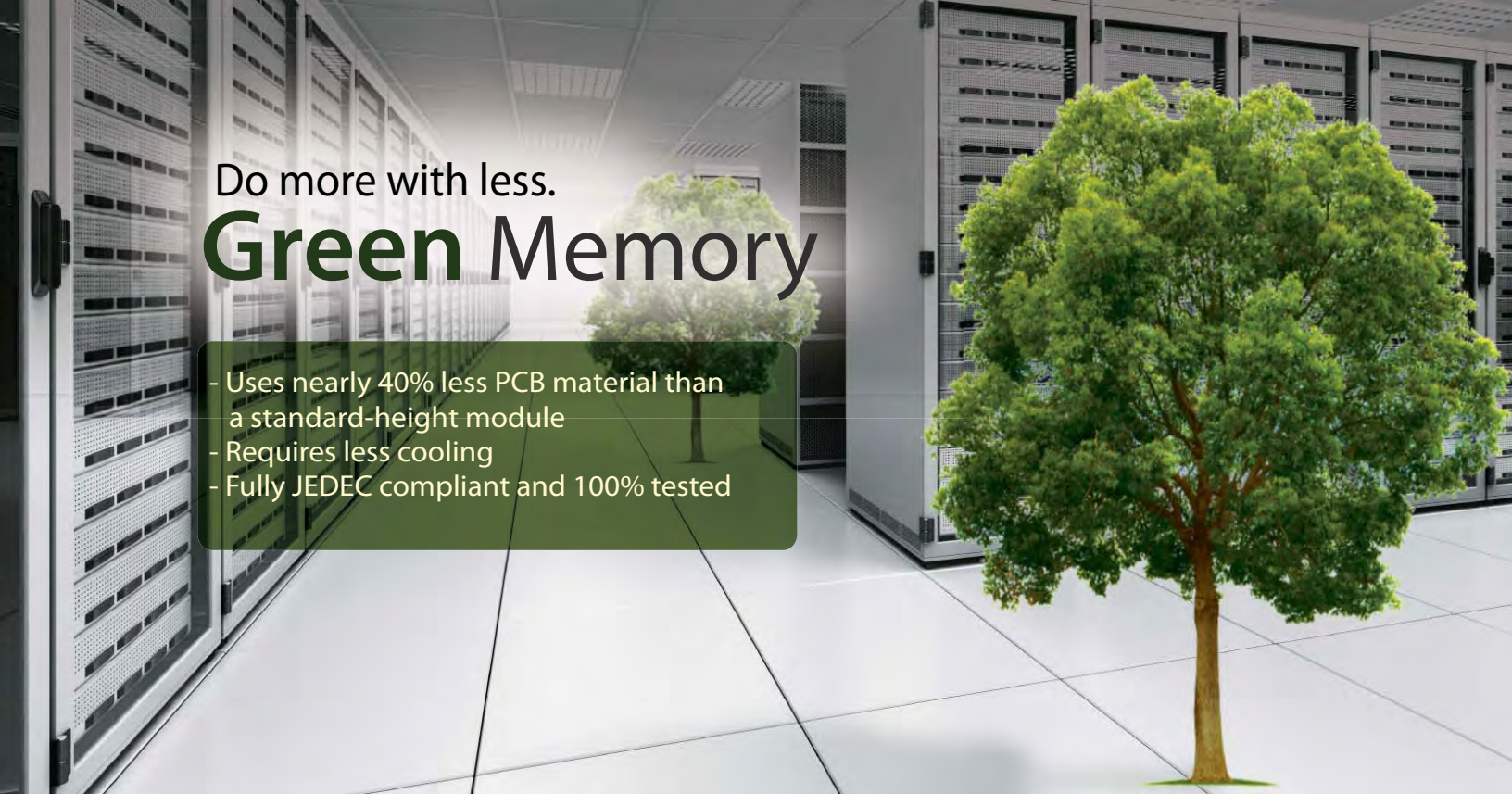
### DDR3 SO-DIMM

(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.