

Do more with less. Green Memory

- Fully JEDEC compliant
- 100% Tested to ensure optimum quality
- DDR, DDR2 & DDR3 DIMMs in capacities up to 16GB
- Very Low Profile modules (0.72" tall)
- DDR3 DIMMs offer 1.35V backward compatible to 1.5V

Leading studies suggest that the explosive growth we've seen in computing power has been matched by growing power demands and cooling costs. Experts predict that power-related costs within the data center will soon be larger than the IT equipment cost contained within them. The realization that power demands have been running largely unchecked has created a new movement within the computing industry, that of "Green IT". We, at SuperTalent, want to go beyond being a DDR3 manufacturer by supporting the effort and creating a comprehensive line of "Green Memory".

DDR3 RDIMM



Our Green Memory:

- Uses less voltage – Needs 1.35V
- Has a smaller form factor - Only 0.72" tall
- Requires less cooling
- Performs more efficiently
- Runs at higher speeds – Up to 1600MHz

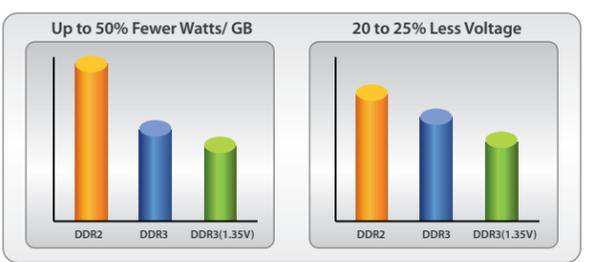


DDR3 ECC UDIMM



New type of Memory -

Offering twice the data rate of its predecessor, DDR3 also typically uses 30% less power.



DDR2 RDIMM



DDR3 SODIMM



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SUPER COMPUTING SOLUTIONS

USB 3.0 Flash Drives : Express RC8, SuperCrypt, SuperCrypt RC4

Solid State Drives : RAIDDrive II, TeraDrive CT3, TeraDrive CT2

Memory Modules : DDR3 RDMM, DDR3 UDIMM, DDR2 RDIMM

USB 3.0 Flash Drives



Solid State Drives



Memory Modules



SSD controller

USB 3.0 Flash Drives

SSD Performance & Reliability

Express RC8

Using 8 channels of flash, virtual caching system and a SSD controller, the Express RC8 is an SSD in USB 3.0 flash drive form factor.



Features

- 8 channels SSD controller
- Virtual caching system elevates small block writes
- Perfect for running portable operating systems



Watch the video



SuperCrypt USB 3.0

SuperCrypt USB 3.0 drives are extremely fast, include hardware encryption to keep your data secure, and are offered in a wide range of capacities.



Features

- 8 channels SSD controller
- All data is automatically Encrypted/ Decrypted
- Perfect combination of performance and security

Watch the video



SuperCrypt RC4

Using 4 channels of DDR flash, a write acceleration algorithm, hardware encryption and a SSD controller, the SuperCrypt RC4 combines security with real performance.



Features

- 4 channels SSD controller
- Utilizes DDR flash for blazing Read/Write speeds
- Hardware encrypted



RAIDDrive II SSD

Enterprise Server - Server, Workstation, Extreme Performance

Built for the Enterprise server, our RAIDDrive SSD increases application performance and reduces latency by providing unparalleled bandwidth of up to 4GB/s. Designed to fit into a low profile server, the SuperTalent RAIDDrive can simplify your IT infrastructure while reducing operating and capital costs.



Features

- Perfect for Super Computing
- 2.4GB/s Read & 2.8GB/s Write
- PCIe Gen 2 host interface
- Supports RAID 0 or RAID 5



		RAIDDrive II
Interface		PCIe x8
Controller		LSI ROC 2108
Form Factor		PCIe
Capacities		480GB - 2TB
NAND Flash		MLC
Performance	Access Time	0.1ms
Burst Speed	Read/Write (MB/sec)	2400/2800
RAID Function		0/5
RAID Cache Size		1GB
Number of Port		8port
Battery Backup		No
MTBF		>1,500,000 hrs
Dimension	mm	231.5 x 94 x 20.6
Part Number		R2Sxxxx

* 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.

TeraDrive SSDs

Enterprise Server - Server, Workstation, Extreme Performance

The TeraDrive™ line is our Enterprise offering. Exclusively featuring SandForce™ controllers, the TeraDrive represents the pinnacle of performance in Enterprise storage. Designed to deliver exceptional performance, the TeraDrive line also features state of the art algorithms to increase reliability and reduce performance degradation over time. Supporting up to 50,000 IOPS, the TeraDrive is ideal for database servers.



Features

- SATA III and SATA II interface
- Amazingly fast R/W speeds
- Supports garbage collection and TRIM for reliability

Watch the video



	TeraDrive CT2	TeraDrive CT3
Specification		
Controller	SandForce 12xx 	SandForce 22xx
Interface	SATA II	SATA III
Form Factor	2.5 "	2.5 "
Capacities	55GB,115GB,240GB,480GB	64GB,120GB,240GB,480GB
NAND Flash	MLC	MLC
Super Cap	No	No
Internal Cache Size	N/A	N/A
Power Supply	5V ± 10%	5V ± 10%
Reliability	MTBF >1,000,000 hrs	>1,000,000 hrs
Dimension	mm 69.85 x 100.20 x 9.50 mm	69.85 x 100.20 x 9.00 mm
Warranty	2 years	2 years
Part Number	FTMxxC225H	FTMxxC325H