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If you are looking for brand names, model numbers or other products that are not currently represented in this spec sheet, please, give us a call or send us an email with your requirements so we can further discuss your needs.

Thank you

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Extraordinarily
Fast Drives....

SUPER★TALENT®
THE BEST MEMORY

USB 3.0 Family

• USB 3.0 RAIDDrive™ • USB 3.0 SuperCrypt™ • USB 3.0 Express™ Drive

USB 3.0 Product Line

AN INTRODUCTION

The USB 3.0 standard opens up some very exciting possibilities for the external storage market. Boasting a 10x performance increase, USB 3.0 remains fully backward compatibility with its USB 2.0 predecessor; which means that these drives are compatible with millions of devices world wide, at USB 2.0 speeds. Creating a drive that performs at USB 3.0 speeds requires developing multi-channel performance architectures that can draw performance from a number of different flash devices concurrently. This is a grand departure from the performance architectures used in USB 2.0 products.

HOW WE DID IT

SuperTalent has been able to create 3 such products ahead of the industry because SuperTalent is both a solid-state disk (SSD) and a flash drive manufacturer. This unique skill set enabled our engineering team to use SSD controller technology to create the very first USB 3.0 flashdrives. Since our designs are based on multi-channel SSD technology these drives are also destined to be the best performing USB 3.0 drives.

• USB 3.0 RAIDDrive™

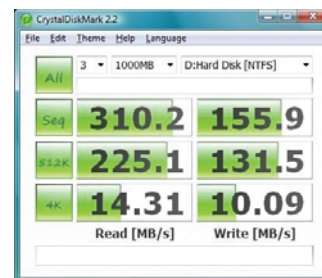
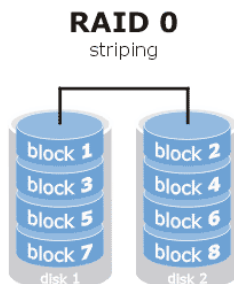
Our USB 3.0 RAIDDrive is unquestionably one of the fastest drives on the market today; even faster than the fastest internal SSD. Available in 32, 64 and 128GB capacities, our USB 3.0 RAIDDrive is actually two SSDs combined together in RAID 0 array. This means that we are able to pull data from two drives simultaneously. Supported by a caching system, each SSD controller is able to support true performance across the entire performance curve.

Applications:

- Creative Professional Market
 - AutoDesk: AutoCad, Maya, 3DS Max, Inventor
 - Adobe: Photoshop, Illustrator, Light Room, Premier
- Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™

Customer Benefits :

- Ultra-fast disk space
- Portability & Compatibility
- Scratch Space
- Improved System performance



	Read [MB/s]	Write [MB/s]
Seq	310.2	155.9
4k	225.1	131.5
4k	14.31	10.09

• **USB 3.0 SuperCrypt™**

Our USB 3.0 SuperCrypt™ is a single SSD drive which includes hardware encryption and a caching system. The standard version of our SuperCrypt drive is available in 16, 32, 64, 128 and 256GB capacities include 128-bit ECB hardware encryption. A Pro version of this drive is also available and includes the 256-bit XTS encryption standard.

Applications:

- Security - Hardware Encrypted Storage
- General Use – external SSD Performance
- Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™



• **USB 3.0 Express™ Drive**

Our USB 3.0 Express™ drive delivers the perfect balance of performance and cost. This multi-channel design, available in 16 and 32 GB capacities enables deliver speeds up to 4x faster than the fastest USB 2.0 flash drives. Our 32GB version of this product will hit 130MB/s Read and 65MB/s Writes.

Applications:

- General Use
 - Movie Kiosk downloads
 - very fast data transfers
- Windows 7
 - Bit-Locker® Encryption
 - System Backup
 - ReadyBoost™



Physical Specification			
	USB 3.0		
	16 - 32GB	16 -256GB	32GB - 128GB
	MLC	MLC	MLC
	62 x 27 x 7.5 mm	95 x 34 x 15.4 mm	95 x 34 x 15.4 mm
Performance Specification			
Seq. Read*	125 MB/s	240 MB/s	320 MB/s
Seq. Write*	42 MB/s	184 MB/s	180 MB/s
OS Support	Windows XP, Vista, Window 7 (32/64-bit)	Windows XP, Vista, Window 7 (32/64-bit)	Windows XP, Vista, Window 7 (32/64-bit)
Reliability Specification			
	1,000,000 hours	1,000,000 hours	1,000,000 hours
	10 years	10 years	10 years
	Built-in EDC/ECC	Built-in EDC/ECC	Built-in EDC/ECC
	N/A	128bit/256bit Hardware Encryption	N/A
Environmental Specification			
	1500G, 3 axis	1500G, 3 axis	1500G, 3 axis
	16G, each axis	16G, each axis	16G, each axis
	0°C to +50°C	0°C to +70°C	0°C to +70°C
	N/A	64MB	64MB
	2 years	2 years	2 years
	ST3U16EX ST3U32EX	Super Crypt 16GB - ST3U16SCS 32GB - ST3U32SCS 64GB - ST3U64SCS 128GB - ST3U28SCS 256GB - ST3U56SCS	Super Crypt Pro 32GB - ST3U32SPS 64GB - ST3U64SPS 128GB - ST3U28SPS 256GB - ST3U56SPS 32GB - STU32GSRK 64GB - STU64GSRK 128GB - STU28GSRK