

Extraordinarily  
Fast Drives...

**SUPER★TALENT®**  
THE BEST MEMORY

# USB 3.0 Flash Drives

• USB 3.0 RAIDDive™ • 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 RAIDDive™

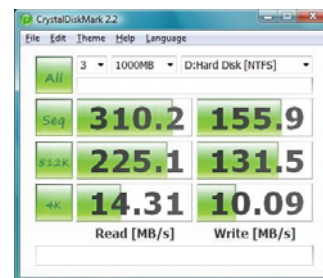
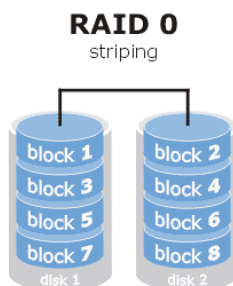
Our USB 3.0 RAIDDive is unquestionably one of the fastest drives on the market today; even faster than the fastest internal SSD. Available in 32, 64 and 128GB capacities, our USB 3.0 RAIDDive is actually two SSDs combined together in RAID 0 array. This means that we are able to pull data from two drives 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



## • 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 and includes 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.



### Applications:

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

Device	Super Talent USB 3.0 Express Drive	Super Talent USB 3.0 SuperCrypt Drive	Super Talent USB 3.0 RAIDDrive
<b>Physical Specification</b>			
Interface	USB 3.0		
Capacity	16 - 32GB	16 -256GB	32GB - 128GB
NAND Flash	MLC	MLC	MLC
Dimensions	62 x 27 x 7.5 mm	95 x 34 x 15.4 mm	95 x 34 x 15.4 mm
<b>Performance Specification</b>			
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)
<b>Reliability Specification</b>			
MTBF	1,000,000 hours	1,000,000 hours	1,000,000 hours
Data Integrity	10 years	10 years	10 years
Data Reliability	Built-in EDC/ECC	Built-in EDC/ECC	Built-in EDC/ECC
Security	N/A	128bit/256bit Hardware Encryption	N/A
<b>Environmental Specification</b>			
Shock	1500G, 3 axis	1500G, 3 axis	1500G, 3 axis
Vibration	16G, each axis	16G, each axis	16G, each axis
Operating Temperature	0°C to +50°C	0°C to +70°C	0°C to +70°C
Internal Cache Size	N/A	64MB	64MB
Warranty	2 years	2 years	2 years
Part Numbers	ST3U16EDK ST3U32EDK	Super Crypt	32GB - ST3U32SRK 64GB - ST3U64SRK 128GB - ST3U28SRK
		Super Crypt Pro	
		16GB - ST3U16SCS 32GB - ST3U32SCS 64GB - ST3U64SCS 128GB - ST3U28SCS 256GB - ST3U56SCS	32GB - ST3U32SPS 64GB - ST3U64SPS 128GB - ST3U28SPS 256GB - ST3U56SPS