Tested at
300MB/s
Confirmed

USB 3.0 RAIDDrive™
Pocket SSD RAID Array

Built for Speed

The introduction of the USB 3.0 standard opens up some very exciting possibilities for the external storage market. Boasting 10x performance increase, it's really fast, but performance alone can not topple a standard as pervasive as its predecessor, USB 3.0 also needed to be completely backward compatible; and it is.

The rapid acceptance of the USB 3.0 standard is assured due to its complete backward compatibility with the USB 2.0 standard, ports and receptacles. A well written spec, USB 3.0 was designed to co-exist with USB 2.0 instead of replace it. USB 3.0 devices can work with USB 2.0 ports and USB 3.0 ports support USB 2.0 devices, but both at USB 2.0 speeds. Buried deep within new USB 3.0 (plugs and receptacles) are an additional five pins which provide two more data line pairs. When a USB 3.0 device is plugged into a USB 3.0 host, not only will it be possible to send and receive data up to 10 times faster, but the possibility to send and receive data concurrently using UASP drivers also avails itself.

With the creation of USB 3.0, we can now create storage products to take advantage of these new capabilities. So, how do you go about creating a drive to go 10 times faster? You think outside the box.

At SuperTalent, our engineers have created a drive that distributes data across two solid-state drives and combine their performance together. The technology is called RAID, and by combining the throughput of two fast SSDs we were able to create a drive that delivers USB 3.0 (10x) performance like no other.
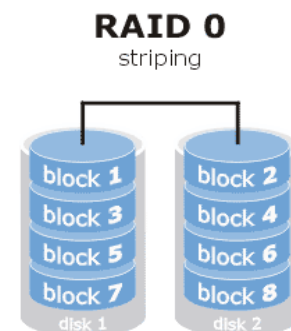
SuperTalent is proud to herald the introduction of USB 3.0 with our latest achievement, the USB 3.0 RAIDDrive™. It's a RAID array of SSDs that delivers over 300MB/s – oh, and fits in your pocket.

Definitions:

RAID (Redundant Array of Inexpensive Disks) is the combination two or more physical hard disks into a single logical unit using special hardware or software.

RAID 0 (or STRIPED disks) is the distribution of data across multiple disks in a way that gives improved speed at any given instant.

UASP(USB attached SCSI protocol) is a new transfer protocol that promises to offer additional speed enhancements by bi-directional data transfers.

RAID 0
striping

block 1 | block 2
block 3 | block 4
block 5 | block 6
block 7 | block 8
disk 1 | disk 2

World's First USB 3.0 Flash Drive

USB 3.0 RAIDDrive
Pocket SSD RAID Array

Far more than a flash drive, the USB 3.0 RAIDDrive is two multi-channel SSD drives cleverly combined into a RAID array. Packaged in an ultra-small form factor, this SSD RAID array is slightly larger than a standard flash drive yet able to achieve data transfers of over 300MBps; that's incredible performance for a drive of any size.

The USB 3.0 RAIDDrive is not only fast, it is also the only RAID array that you can fit in your pocket.

Features include:
- USB 3.0 Interface for unprecedented speed
- Compatible with USB 3.0 & USB 2.0 standards*
- Highly Reliable MLC NAND Flash

Specifications

Capacity**	32GB - 128GB
Interface	USB 3.0 (USB2.0 lower speeds)
OS Support	Windows XP, Vista, Windows 7
NAND Flash	MLC
Dimensions	95 x 34 x 15.4 mm
MTBF	+1,000,000 hours
Data Integrity	10 years
Seq. Read*	up to 320 MB/sec
Seq. Write*	up to 180 MB/sec
Shock (operating)	1500G, 3 axis
Vibration (operating)	16G, each axis
Operating Temperature	0°C to +70°C

Packaging

Ordering Information

32GB RAIDDrive	ST3U32SRK
64GB RAIDDrive	ST3U64SRK
128GB RAIDDrive	ST3U28SRK

Design protected by US Patent # 7457897
Designed in San Jose, California