



# Mass Storage Solutions

FUSION™ D800P2

8-DRIVE SATA  
STORAGE SYSTEM WITH  
DUAL PORT MULTIPLIERS;  
COMPATIBLE WITH SATA  
HOST CONTROLLERS  
WITH PORT  
MULTIPLIER SUPPORT

## Step Up to Faster Performance, Higher Capacity

Are you ready to move beyond the performance offered by 4- and 5-drive storage systems like Sonnet's Fusion™ D400QR5 or D500P? Do you want the storage capacity of an 8-drive system like the Fusion DX800RAID, but need something more affordable? The Fusion D800P2 may be just what you're looking for. The D800P2 employs two high performance SATA II port multipliers<sup>(1)</sup>, each managing four drives. By

## Key Features

- ▶ **Faster Performance**—Dual port multipliers enable a Fusion D800P2 storage system to achieve up to 400 MB/sec write, 470 MB/sec read data transfers (eight 1.5TB drives configured as a RAID 0 striped set)
- ▶ **Up to 16TB Capacity**—Available in 4, 8, 12, or 16TB<sup>(2)</sup> capacities with eight Enterprise/RAID Edition hard drives or select, Sonnet certified drives<sup>(3)</sup>; also available without drives<sup>(3)</sup>

## Quiet

Fusion D800P2 storage systems integrate an ultra-quiet, user-swappable fan module using the Vantec Stealth™ fan. This fan is 80% quieter than a standard case fan, making this system perfectly suited for use in noise-sensitive environments.



## Secure Connections

Fusion D800P2 enclosures link to Sonnet Tempo SATA E4P and X4P SATA host controller cards with Sonnet's exclusive locking eSATA data cables with connectors that lock securely at both ends.

using dual port multipliers, Sonnet has created a high performance storage system with data throughput fast enough to support multiple streams of DV, HDV, DVCPro, ProRes 422, or uncompressed 8-bit 1080i HD video, without the need of an expensive dedicated RAID controller card. Connected to a Sonnet Tempo™ SATA E4P PCIe or X4P PCI-X host controller installed in a Mac or Windows computer, a Fusion D800P2 system's drives can be accessed at high speed, whether configured as a RAID 0, RAID 1, or RAID 10 set, or JBOD. With its drives configured as a RAID 0 striped set, a Fusion D800P2 storage system achieves up to 400 MB/sec write, 470 MB/sec read data transfers. Available in configurations up to 16TB, Fusion D800P2 storage systems offer speed, versatility, and reliability—they're a great choice for anyone looking for an affordable storage system that will fit into a variety of workflows.

### Safe and Secure

Fusion storage systems (except 0TB models) employ Enterprise/RAID Edition hard drives or select, Sonnet certified drives<sup>(3)</sup> that have been selected for their superior performance, error handling, and reliability characteristics, especially when used in RAID groups. These drives are subjected to hours of additional, stringent testing to check for soft errors, vibration, and other reliability predictors. Just the sturdiest drives pass these tests and are prepared with special RAID-optimized firmware to become the building blocks of a super-reliable Fusion storage system.

### Two Cables, All the Data

The Fusion D800P2 uses just two locking eSATA data cables (a Sonnet exclusive) to connect the enclosure to a SATA host controller card. This efficient interface simplifies setup and cuts cable clutter without compromising performance.

### Versatile Performance

These systems are ideal for use in mixed environments—various operating systems, editing applications and output demands requiring the flexibility and interoperability that Fusion D800P2 storage systems provide. Fusion D800P2 systems support Mac OS® X, Windows® 7, Windows Vista, Windows XP<sup>(4)</sup>, and Linux. They are compatible with capture cards from AJA, Blackmagic Design, Matrox, and Bluefish444, and work with all mainstream video editing applications including Apple® Final Cut Pro®, and Adobe® Premiere® Pro.

### Expandability to Start

Looking for a desktop 8-drive, removable storage system to expand with your needs? Fusion D800P2-0TB storage systems offer the same great features as other D800P2 models, but without the hard drives<sup>(3)</sup>. Of course performance, capacity, and RAID reliability are dependent on drive choice.

- ▶ **Easy Configuration**—You can set up drives in a software-configured RAID 0 set for speed, RAID 1 set for redundancy, RAID 10 for combined redundancy and speed, or JBOD for archiving data
- ▶ **Quiet Operation**—Fusion D800P2 storage systems integrate the Vantec Stealth fan, making this system well suited for use in noise-sensitive environments
- ▶ **Simple Setup**—Connect two eSATA cables between the Fusion D800P2 and your SATA host controller, and use your operating system to format the drives as a RAID or JBOD

### Compatibility

- ▶ Platform independent—Works with Mac®, Windows®<sup>(4)</sup> or Linux® computers with compatible host bus adapter installed

### Technical Specifications

<b>Part No.</b> <b>FUS-D8P2-0TB</b> (Fusion D800P2 0TB)	
<b>Hardware</b>	
Warranty	2-year
HDD Warranty	Additional 1-year or 3-year, administered by drive manufacturer
External Connectors	Two locking eSATA
Drives Supported	3 & 1.5 Gb per second Serial ATA; up to 7,200 RPM
Data Transfer Speed	Up to 400 MB/sec write, 470 MB/sec read, depending on interface used and configuration
Supported Video Formats	8-bit uncompressed HD 1080i, 8-bit uncompressed SD, ProRes 422, DVCPro HD, DVCPro 25/50, HDV, DV, DVCAM
Power Supply	300W, 100-240V, 50/60Hz Universal
Operating Temperature	+32° F to +95° F (0° C to +35° C)
Dimensions	WxDxH: 5.9 x 17.9 x 12.9 in (14.9 x 45.4 x 32.7 cm)
Weight (Without Drives)	15.7 lbs (6.8kg)
Weight (With Drives)	29.7 lbs (13.5kg)
Package Contents	Disk enclosure, two 2-meter locking eSATA data cables, eight 3.5" drive modules or drive trays, power cord, User's Guide

Specifications subject to change without notice.



Accessories	
<b>Fusion 500GB Drive Module</b> – Spare drive module for Fusion D800P2.	Part No. <b>FUS-RM-0500GB</b>
<b>Fusion 1TB Drive Module</b> – Spare drive module for Fusion D800P2.	Part No. <b>FUS-RM-1000GB</b>
<b>Fusion 1.5TB Drive Module</b> – Spare drive module for Fusion D800P2.	Part No. <b>FUS-RM-1500GB</b>
<b>Fusion 2TB Drive Module</b> – Spare drive module for Fusion D800P2.	Part No. <b>FUS-RM-2000GB</b>
<b>Fusion Quiet Fan Module</b> – Spare fan module for Fusion D800RAID.	Part No. <b>FUS-XFAN</b>
<b>Sonnet 1-Meter Locking eSATA Cable</b>	Part No. <b>TCB-SATA-2L-1M</b>
<b>Sonnet 2-Meter Locking eSATA Cable</b>	Part No. <b>TCB-SATA-2L-2M</b>

#### Technical Notes:

(1) Fusion D800P2 requires a SATA host controller that supports port multipliers, such as Sonnet's Tempo SATA E4P for computers with PCI Express slots, Tempo SATA X4P for computers with PCI-X slots, or Tempo SATA Pro ExpressCard/34 or Tempo SATA ExpressCard/34 for portable computers with an ExpressCard slot.

(2) Although hard drive manufacturers and Mac OS X 10.6 define 1 gigabyte as 1,000,000,000 byte, many other computer operating systems calculate a gigabyte by dividing the bytes by 1,073,741,824 ( $2^{30}$ ). This distinction may be a cause of confusion, as a hard disk with a manufacturer rating of 1000GB may have its capacity reported by the operating system as 915GB.

(3) Sonnet Technologies has qualified and specifies the hard drives listed here for use in Fusion D800P2 storage systems. These drives were chosen for their superior performance, error handling, and reliability characteristics, especially when used in RAID groups. Sonnet recommends the use of these Enterprise/RAID edition hard drives and select, Sonnet certified desktop hard drives in your Fusion storage system to ensure system reliability and performance. STANDARD DRIVES MAY NOT BE SUPPORTED AND MAY DEGRADE SYSTEM RELIABILITY AND PERFORMANCE.

(4) Creating RAID volumes under Windows requires [dynamic disk storage](#), a formatting option available with Windows Server 2008 R2, Windows Server 2003 SP1, Windows 7 Professional, Enterprise or Ultimate (32- and 64-bit versions), Windows Vista Enterprise or Ultimate (32- and 64-bit versions), or Windows XP Professional (32- and 64-bit versions). In order to create RAID volumes larger than 2TB, you must do one of the following: Span (link together in a virtual chain) the volumes, and then format them as NTFS. **-OR-** Use GPT formatting. Note that drives and volumes with GPT formatting are not visible to any version of Windows XP Professional, nor to the 32-bit version of Windows Server 2003 SP1.

(5) Only Seagate Barracuda ES.2 drives with firmware versions SN06 and newer compatible. Seagate ES.2 drives with firmware versions SN03, SN04, or SN05 are NOT compatible. [Click here](#) to view location of firmware number on hard drive.

(6) Only Seagate Barracuda 7200.11 1.5TB drives with firmware versions SD1B and CC1H are compatible