

Designed for Video Editing Professionals.



Maximum PROTECTION



Duo Quad & Quad

SATA RAID protected storage

The Quad and Duo Quad are fully loaded with the latest RAID 6 double disk drive protection feature in addition to the traditional RAID 0, 1, 3, 5, and JBOD capabilities. With capacities up to 8TB for the Duo Quad and 4TB for the Quad, the stylish units are bundled with a PCI-e or PCI-x host side RAID controller complete with cables and drives - everything necessary to be incorporated into a Mac or a Windows PC for video editing, rendering, and creation applications.

The Quad and Duo Quad are ideal for serious video professionals where a budget-minded price does not compromise performance, reliability and features.

Maximum PERFORMANCE



HD Commander

eSATA with Port Multiplier

They offer....

- **Mac and Windows Compatible.**
- **Final Cut Studio, Premiere and other popular editor certified.**
- **ProRes 422, DV, DVCPRO HD, uncompressed SD and HD formats.**
- **Multiple realtime streams.**
- **PCI-e or PCI-x controller supplied.**
- **High performance 3Gb/s SATA disk drives.**
- **RAID protection against drive failures.**
- **Enclosure management.**
- **Quiet and effective cooling fans.**
- **42 months warranty. Industry's longest.**

The HD Commander uses the latest eSATA Port Multiplier technology and it is supplied with a five drive enclosure populated with the latest SATA II high performance disk drives; a four port eSATA PCI-e or PCI-x Host Adapter for workstations or a two port eSATA Express Card 34 for laptops.

Each eSATA port supports the Port Multiplier feature which translates to future expansion of up to 20 hard disk drives with the four port Host Adapter or 10 hard drives with the two port Express Card 34.

Each eSATA port is rated for an amazing 240MB/s data rate, this means the HD Commander can handle any project you throw at it; from DV, DVCPRO HD, uncompressed SD / HD and Apple's latest ProRes 422.

www.dulcesystems.com



818-435-6007

Dulce Systems is pleased to provide to the innovative artists more freedom to make creative decisions on time and on budget. Dulce Systems is the ideal storage provider for independent artists and full-service post houses alike.



Designed for Video Editing Professionals.

SPECIFICATIONS

	HD Commander-e	HD Commander-x	HD Commander-34	Quad-e	Quad-x	Duo Quad-e	Duo Quad-x
Model	HDCe-1250	HDCx-1250	HDC34-1250	Qe-1000	Qx-1000	DQe-2000	DQx-2000
(Capacity	HDCe-1600	HDCx-1600	HDC34-1600	Qe-1280	Qx-1280	DQe-2560	DQx-2560
in GB)	HDCe-2500	HDCx-2500	HDC34-2500	Qe-2000	Qx-2000	DQe-4000	DQx-4000
	HDCe-3750	HDCx-3750	HDC34-3750	Qe-3000	Qx-3000	DQe-6000	DQx-6000
	HDCe-5000	HDCx-5000	HDC34-5000	Qe-4000	Qx-4000	DQe-8000	DQx-8000
Disk Drives	5	5	5	4	4	8	8
3.5"	hot	hot	hot	hot	hot	hot	hot
	swappable	swappable	swappable	swappable	swappable	swappable	swappable
Interface	PCI-express (x8) Host Adapter with 4 eSATA Ports (Port Multiplier capable)	PCI-x 64bit/133Mhz Host Adapter with 4 eSATA Ports (Port Multiplier capable)	Express Card / 34 with 2 eSATA Ports (Port Multiplier capable)	PCI-express (x8) RAID Controller with Quad Channel SATA II.	PCI-x 64bit/133MHz RAID Controller with Quad Channel SATA II.	PCI-express (x8) RAID Controller with two Quad Channel SATA II.	PCI-x 64bit/133MHz Controller with two Quad Channel SATA II.
RAID Level	OS RAID 0, 1, Span, JBOD	OS RAID 0, 1, Span, JBOD	OS RAID 0, 1, Span, JBOD	Hardware RAID 0,1,3,5,6, JBOD, hot spares. Auto insert/remove detection. Instant availability/background initialization. >2TB support.			
Memory	Host	Host		256MB ECC	256MB ECC	256MB ECC	256MB ECC
Real-time Playback	RAID 0: 1 HD 8/10-bit, 11 DVCPRO HD, 6 ProRes HQ, 8 ProRes.		RAID 0: 4 SD, 5 ProRes, 7 DVCPRO HD.	RAID 0: 1 HD, 7 SD RAID 3: 1 HD, 5 SD		RAID 0: 2 HD, 10 SD, 2K Film RAID 3: 1 HD, 8 SD, 2K Film	
Data Rate	RAID 0: over 230 MB/s. Fully loaded with 20 drives: over 670 MB/s		RAID 0: 140 MB/s	RAID 0: over 290 MB/s RAID 3: over 220 MB/s		RAID 0: over 410 MB/s RAID 3: over 380 MB/s	
Compatibility	Mac OS X, Windows 2000/XP/Server 2003/Vista, Linux. AJA, Blackmagic, and other popular capture cards.						
Plug and Play	Host Formatting			Pre-formatted for OS of your choice.			
Electrical	95V—265V, 47-63HZ, auto range						
Current—idle	35 W	35 W	35 W	35 W	35 W	70 W	70 W
read/write	60 W	60 W	60 W	60 W	60 W	120 W	120 W
max	100 W	100 W	100 W	100 W	100 W	200 W	200 W
Physical	Desktop	Desktop	Desktop	Desktop	Desktop	Mini Tower	Mini Tower
Dimensions L" x W" x H"	11.5 x 5.8 x 8.8	11.5 x 5.8 x 8.8	11.5 x 5.8 x 8.8	11.5 x 5.8 x 8.8	11.5 x 5.8 x 8.8	11.5 x 5.8 x 14.7	11.5 x 5.8 x 14.7
Weight	17 lbs	17 lbs	17 lbs	16 lbs	16 lbs	26 lbs	26 lbs
Temperature	Operating 41 to 104F (5 to 40 C)			Non-operating -40 to 158 F (-40 to 70 C)			
Humidity	Relative: Operating 5 to 80% Non-condensing			Non-operating 5 to 95% Non-condensing			
Warranty	42 months (if registered within 30 day of purchase, else 36 months).						
Accessories	PCI-express or PCI-x host adapter, Power cord, eSATA cable, Installation & User's Manual.		Express Card 34, Power Module, eSATA cable, Manual.	PCI-express or PCI-x RAID controller, Power cord, Quad Channel SATA II cable(s), Installation & User's Manual, Install CD.			