

ioDrive[®] II

ioDrive II Duo[®]



Achieve latency as low as 15µs | Easily RAID multiple ioDrives together | Managed like simple block storage

MLC Capacity	ioDrive2 365GB	ioDrive2 785GB	ioDrive2 1.2TB	ioDrive2 Duo 2.4TB
NAND Type	MLC (Multi Level Cell)	MLC (Multi Level Cell)	MLC (Multi Level Cell)	MLC (Multi Level Cell)
Read Bandwidth (1MB)	900 MB/s	1.5 GB/s	1.5 GB/s	3.0 GB/s
Write Bandwidth (1MB)	575 MB/s	1.1 GB/s	1.3 GB/s	2.5 GB/s
Read IOPS (Seq. 512B)	415,000	443,000	443,000	866,000
Write IOPS (Seq. 512B)	530,000	530,000	530,000	930,000
Read IOPS (Rand. 512B)	136,000	141,000	143,000	284,000
Write IOPS (Rand. 512B)	475,000	475,000	475,000	705,000
Read Access Latency	68 µs	68 µs	68 µs	68 µs
Write Access Latency	15 µs	15 µs	15 µs	15 µs
Bus Interface	PCI-Express 2.0 x4			PCI-Express 2.0 x8
Weight	Less than 11 ounces			
Operating Systems	64-Bit Microsoft Server 2003/Server 2008/Server 2008 R2, RHEL 5/6, SLES 10/11, OEL v5/6, VMware ESX 4.0/4.1/ESXi 4.0/4.1/5.0, Solaris 10 U8/U9, OSX 10.6.7/10.7, HP-UX 11i			

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AGENCY

US / Canada	ANSI C63.4/EN 55022/ CNS 13438, Radiated and Conducted Emissions Class B EN 55024 Immunity EN 55022 Class B
Europe	2004/108/EC EMC Directive CE IEC 61000 Class B Mark
Japan	VCCI - V-2/2009.04
Taiwan	BSMI - CNS 13438 / EN 55022 class B
New Zealand/Australia	AS/NZS CISPR22:2006 / 47CFR Part 15, Radiated and Conducted Emissions Class B
Korea	KCC - FIO-IODRIVE (Class B)
RoHS	RoHS - EU Directive 2002/95/EC

STANDARDS

ioDrive2 Form Factor	Low profile PCI Express
ioDrive2 Connectivity	PCI Express 2.0 x4 electrical x8 physical
ioDrive2 Duo Form Factor	Full-height, half-length PCI Express
ioDrive2 Duo Connectivity	PCI Express 2.0 x8 electrical x8 physical

ENVIRONMENTAL SPECIFICATIONS

		Min	Max
Ambient / Controlled IT environment	Operational	0	55
	Non-operational	-40	70
Power Requirements	ioDrive2/ioDrive2 Duo		24 W / 55 W
Air Flow (LFM)		300	
Humidity (%)	Non-condensing	5	95
	Operational		10,000
Altitude	Non-operational		30,000

* Temperature derated 1 C per 1000 ft elevation above sea level

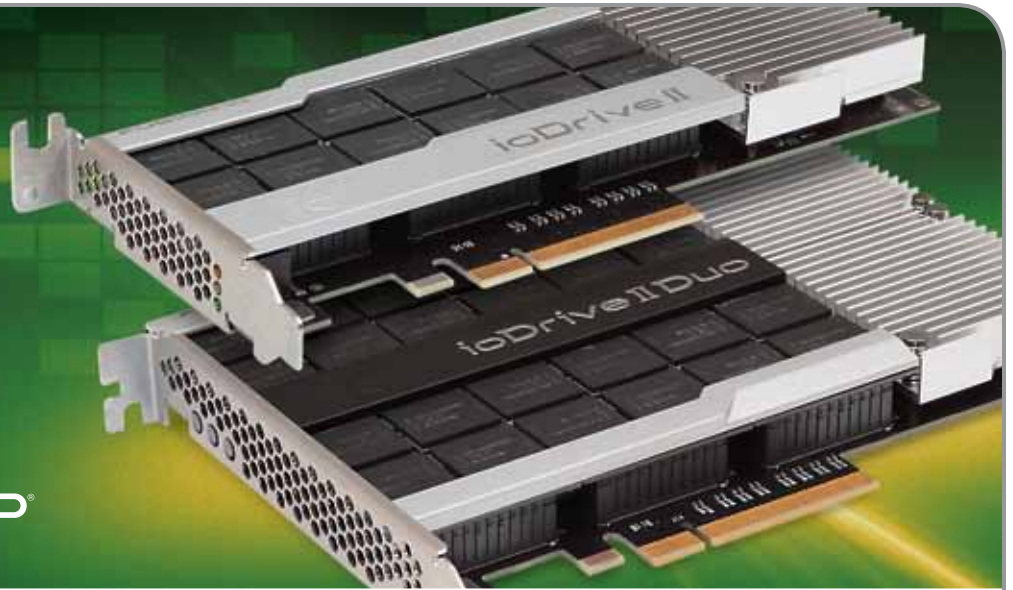


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SLC Capacity	ioDrive2 400GB	ioDrive2 600GB	ioDrive2 Duo 1.2TB
NAND Type	SLC (Single Level Cell)	SLC (Single Level Cell)	SLC (Single Level Cell)
Read Bandwidth (1MB)	1.4 GB/s	1.5 GB/s	3.0 GB/s
Write Bandwidth (1MB)	1.3 GB/s	1.3 GB/s	2.6 GB/s
Read IOPS (512B)	351,000	352,000	702,000
Write IOPS (512B)	511,000	514,000	937,000
Read Access Latency	47 µs	47 µs	47 µs
Write Access Latency	15 µs	15 µs	15 µs
Bus Interface	PCI-Express 2.0 x4		PCI-Express 2.0 x8
Weight	Less than 11 ounces		
Operating Systems	64-Bit Microsoft Server 2003/Server 2008/Server 2008 R2, RHEL 5/6, SLES 10/11, OEL v5/6, VMware ESX 4.0/4.1/ESXi 4.0/4.1/5.0, Solaris 10 U8/U9, OSX 10.6.7/10.7, HP-UX 11i		

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AGENCY

US / Canada	ANSI C63.4/EN 55022/ CNS 13438, Radiated and Conducted Emissions Class B EN 55024 Immunity EN 55022 Class B
Europe	2004/108/EC EMC Directive CE IEC 61000 Class B Mark
Japan	VCCI - V-2/2009.04
Taiwan	BSMI - CNS 13438 / EN 55022 class B
New Zealand/Australia	AS/NZS CISPR22:2006 / 47CFR Part 15, Radiated and Conducted Emissions Class B
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