



Nuovi Western Digital VelociRaptor



LINK (<https://www.nexthardware.com/news/ssd-hard-disk-masterizzatori/2152/nuovi-western-digital-velociraptor.htm>)

Primi dettagli sui nuovi hard disk WD

Western Digital è prossima alla presentazione dei nuovi hard disk ad alte prestazioni della famiglia VelociRaptor per la fine di questo quadrimestre.

I nuovi dischi saranno disponibili nel formato 2.5" e 3.5" (con IcePack) con capacità di 150GB, 300GB, 400Gb e 600GB a 10,000 RPM, 32MB di cache, interfaccia SATA da 6.0 Gbps.

WD dichiara una velocità di trasferimento da 145MB/s per una latenza di 3ms ed una rumorosità di 37dBA.

Specification Sheet

WD VelociRaptor VR200M

Enterprise Hard Drives

Physical Specifications ¹	150 GB	300 GB	450 GB	600 GB
Model numbers	WD1500BLHX WD1500HLHX	WD3000BLHX WD3000HLHX	WD4500BLHX WD4500HLHX	WD6000BLHX WD6000HLHX
Formatted capacity	150,039 MB	300,069 MB	450,098 MB	600,127 MB
User sectors per drive	293,046,768	586,072,368	879,097,968	1,172,123,568
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Form factor	2.5-inch (WD1500BLHX) 3.5-inch (WD1500HLHX)	2.5-inch (WD3000BLHX) 3.5-inch (WD3000HLHX)	2.5-inch (WD4500BLHX) 3.5-inch (WD4500HLHX)	2.5-inch (WD6000BLHX) 3.5-inch (WD6000HLHX)
Actuator latch/auto park	Yes	Yes	Yes	Yes
SATA latching connector	Yes	Yes	Yes	Yes
RoHS compliant ²	Yes	Yes	Yes	Yes

Performance Specifications ¹	Power Requirements (average)		
Data Transfer Rate			
Buffer to host	6 Gb/s		
Host to/from drive	145 MB/s sustained		
Average seek	3.6 ms (read), 4.2 ms (write)	Mode	12V (±10%) 5V (±5%) Power
Track-to-track seek	0.4 ms maximum	Read/Write Sequential	220 mA 825 mA 6.8W
Rotational speed	10,000 RPM	Read/Write Random	320 mA 470 mA 6.2W
Latency	3 ms average	Idle	210 mA 360 mA 4.3W
Read cache	Adaptive	Standby	5 mA 130 mA 0.7W
Write cache	Yes	Sleep	5 mA 120 mA 0.7W
Buffer	32 MB	Environmental Specifications¹	
Drive ready time	8 sec. average	Shock	
Load/unload cycles ³	600,000 minimum	Operating (2 ms) 30G (read/write), 65G (read)	
LBA support	Yes	Non-operating (2 ms) 300G	
Error rate	< 1 in 10 ¹² bits read	Half sine wave measured in 2 ms duration, measured without isolation.	
(non-recoverable)		Vibration	
		Operating	
		- Random 0.008 g ² /Hz (10 to 300 Hz)	

↔

