

RevoDrive HYBRID

OCZ RevoDrive Hybrid is the next step in the evolution of storage technology, delivering ground-breaking bandwidth and landmark IOPS with a high-capacity hard disk drive and intelligent software that integrates SSD and HDD into a single high-performance and high-capacity storage solution.

- Delivers up to 120,000 IOPS
- Bandwidth up to 900MB/s
- 1TB Capacity
- Intelligent Caching Algorithms

Highest Performing Hybrid Drive on the Market

- Complete caching solution on a single card
- SSD performance without sacrificing a low cost per gigabyte
- Delivering an exceptional all-in-one solution for power users, multimedia designers, and computing enthusiasts

OCZ SuperScale Storage Accelerator

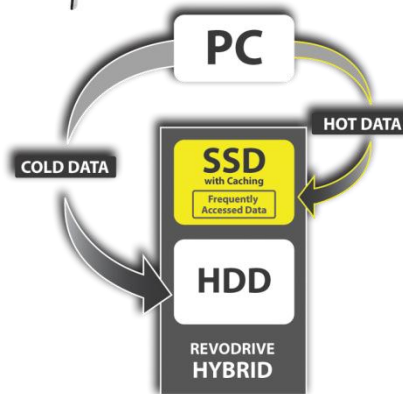
- Facilitates scalable performance for intensive workloads
- Unique complex command queuing structure (CCQS) with queue balancing algorithms (QBA)
- Higher performance and reduced burden on the host CPU

OCZ Virtualized Controller Architecture

- VCA 2.0 presents as a complete storage subsystem for superior data management
- Only virtualization layer in the industry with TRIM and SCSI unmap support
- Enables SMART monitoring for system administrators

Intelligent Caching Software

- Simultaneously manages HDD and SSD, learning individual user behavior to adapt storage policies
- “Hot” data managed on Synapse SSD for highest performance, access, and bandwidth
- “Cold” data routed to HDD for highest capacity usage



Unique Hybrid Storage Solution for Performance and Value OCZ RevoDrive Hybrid is the next step in the evolution of storage technology for power users, multimedia designers and game enthusiasts. The PCI-e based RevoDrive Hybrid not only eliminates the SATA bottleneck to unleash ground breaking bandwidth and landmark IOPS performance, but it also includes a high-capacity hard disk drive and intelligent software that integrates SSD and HDD into a single high-performance and high-capacity storage solution. The OCZ RevoDrive Hybrid comes bundled with intelligent caching software that dynamically manages the use of the SSD with the 1TB HDD for superior overall storage performance. The most frequently/recently used “hot” data stays on the ultra-fast SSD while “cold” data remains on the slower but larger capacity disk. Advanced caching algorithms learn user behavior and adapt storage policies to ensure optimal performance for each individual user. Welcome to the next generation storage from OCZ Technology.

Performance		Performance	
Max Read ¹	up to 910 MB/s	Sequential Read AS-SSD ³	up to 290 MB/s
Max Write ¹	up to 810 MB/s	Sequential Write AS-SSD ³	up to 130 MB/s
Max 4KB Random Write ²	120,000 IOPS (475 MB/s)	4KB Random Write AS-SSD ³	32,000 IOPS (120 MB/s)

¹ Maximum Sequential Speeds are determined using ATTO

² Small file I/O performance is measured using Iometer 2010, Queue Depth 64, 4KB Aligned; Logical Block Address (LBA) range: 8GB

³ Incompressible data performance is measured using AS-SSD; 64 thread for 4K specs

SPECIFICATIONS

Physical	
Usable Capacities (IDEMA)	100GB SSD + 1TB HDD
NAND Components	25nm Multi-Level Cell (MLC)
Interface	PCI-Express Gen. 2 x4
Form Factor	PCIe Full Height
Storage Controller	OCZ SuperScale
NAND Controller	SandForce® 2281 x 2
Hard Drive Rotational Speed	5,400 RPM
Dimensions (L x W x H)	167.64 x 98.42 x 22.15 mm (dimensions do not include bracket)
Included Software	Dataplex™ Caching Software
Weight	289g

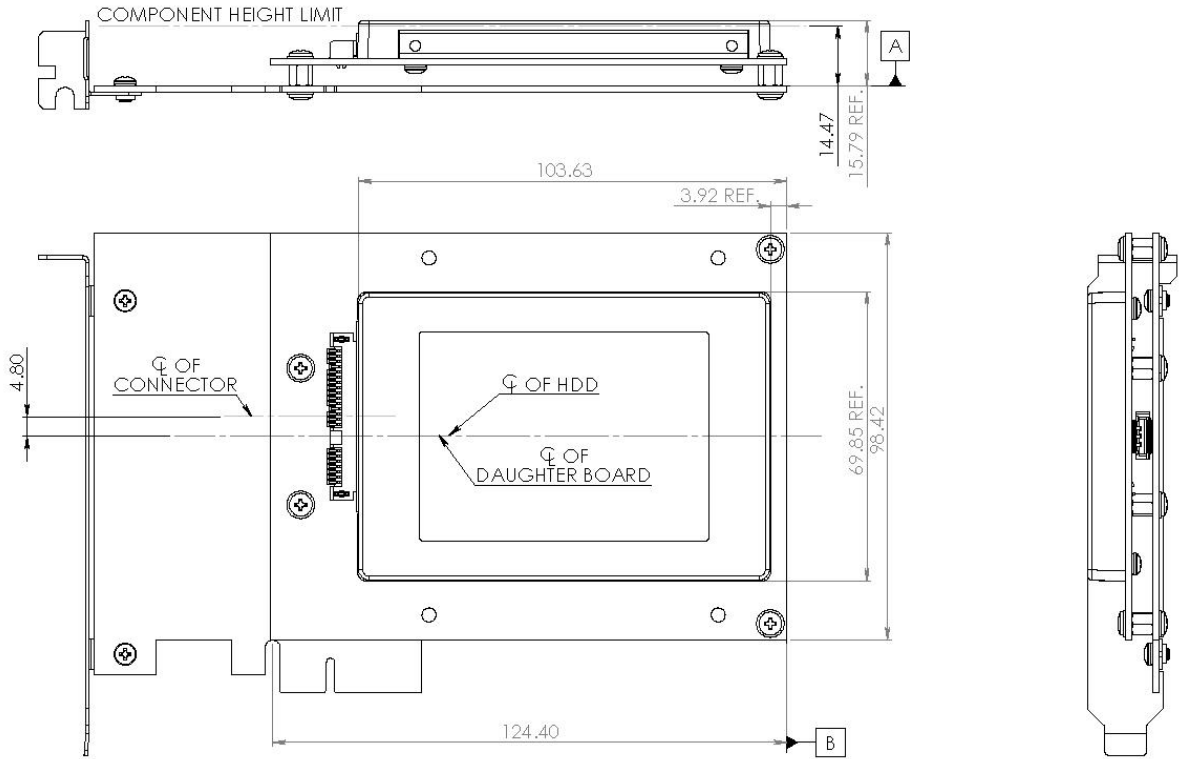
Reliability/Protection/Security	
MTBF	600,000 hours
ECC Recovery	Up to 55 bits correctable per 512-byte sector (BCH) *varies depending on exact configuration
Data Reliability	Read unrecoverable bit error rate (UBER) 10e-16 (<1 in 10 ¹⁶ bits read)
Data Encryption	128-bit & 256-bit AES-compliant
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support

Environmental	
Power Consumption	Idle: 8.1 W Active: 10 W
Operating Temperature	5 °C ~ 50 °C
Storage Temperature	0 °C ~ 60 °C
Ambient Temperature	5 °C ~ 50 °C
Certifications	RoHS, CE, FCC

Compatibility	
PCI-Express	Fully compliant with the PCIe Electromechanical Specification Rev. 2.0, and PCI-Express Base Specification Rev. 2.0
Operating System	Windows Vista 32-bit and 64-bit; Windows 7 32-bit and 64-bit
Power Requirements	PCI-Express 12V & 3.3V

Additional Features	
Flash Virtualization Layer	OCZ VCA (Virtualized Controller Architecture) 2.0
Performance Optimization	TRIM/SCSI Unmap (requires OS support), Drivers www.ocz.com/drivers
Secure Erase	Enabled via OCZ Toolbox www.ocz.com/ssd_tools
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support

MECHANICAL SPECIFICATIONS



Please note: due to the height of the HDD, the RevoDrive Hybrid will take up two PCI-E slots.

PACKAGING SPECIFICATIONS

Dimensions (W x L x H) 27.6 x 17 x 4.96 cm



ORDERING INFORMATION

PRODUCT	RAW CAPACITY	IDEMA CAPACITY	PART NUMBER	UPC
RevoDrive Hybrid	128GB SSD, 1TB HDD	100GB SSD, 1TB HDD	RVDHY-FH-1T	842024029038