

Z-Drive PCI Express Storage Solutions

The Pinnacle of Storage Performance

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PHYSICAL	CM84 Version	CM88 Version
Usable Capacities (IDEMA)	300GB, 600GB, 1.2TB	800GB, 1.6TB, 3.2TB
NAND Components	Multi-Level Cell (MLC)	Multi-Level Cell (MLC)
Interface	PCI Express Gen. 2 x8	PCI Express Gen. 2 x8
Form Factor	PCIe half height, half length compliant	PCIe full height, ¾ length compliant
Storage Controller	OCZ SuperScale™	OCZ SuperScale™
NAND Controller	SandForce® 2282 x 4	SandForce® 2282 x 8
Dimensions (L x W x H)	168.55 x 68.91 x 17.14 mm	242 x 98.4 x 17.14 mm
Weight	119g	262g

PERFORMANCE		
Max Read	up to 2,000 MB/s	up to 2,800 MB/s
Max Write	up to 2,000 MB/s	up to 2,800 MB/s
Random Write Operations (4kB)	250,000 IOPS	410,000 IOPS
Random Write Operations (8kB)	160,000 IOPS	275,000 IOPS
Maximum IOPS	260,000 IOPS	500,000 IOPS

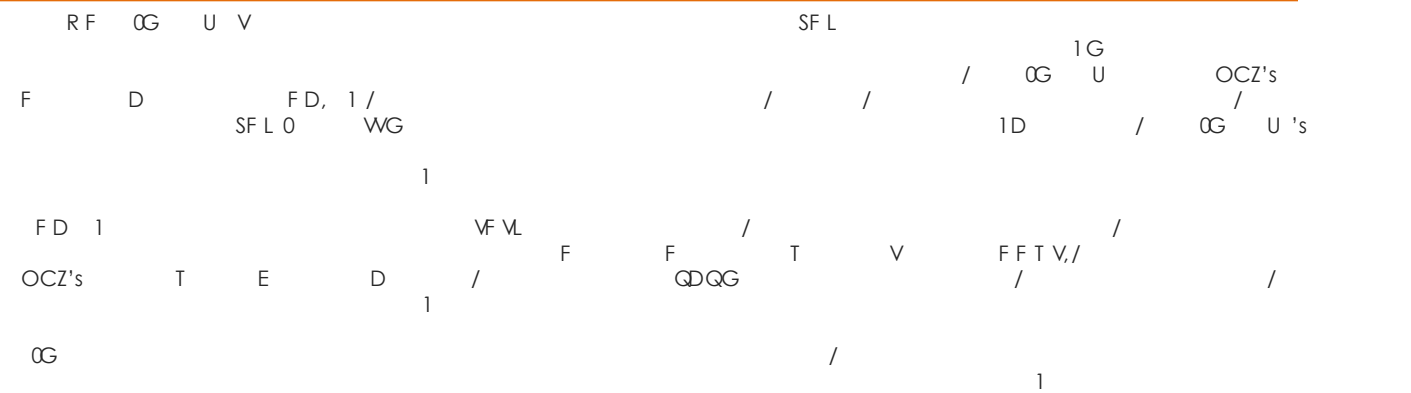
ENVIRONMENTAL		
Power Consumption	Idle: 14.5 W Active: 16 W	Idle: 23 W Active: 26 W
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C
Storage Temperature	-45°C ~ 85°C	-45°C ~ 85°C
Airflow Requirement	300 Linear Feet/Minute (LFM)	300 Linear Feet/Minute (LFM)
Certifications	RoHS, CE, FCC	RoHS, CE, FCC

RELIABILITY/SECURITY	
Data Fail Recovery	Recovers data from up to one NAND flash block per NAND controller
Data Path Protection	ECC: Up to 55 bits correctable per 512-byte sector; Data path parity protection
Data Reliability	Read Unrecoverable Bit Error Rate (UBER) 10e-16
Data Encryption	128-bit AES-compliant
Product Health Monitoring	SMART support

COMPATIBILITY	
PCI Express	PCI Express x8 or x16 slot; Fully compliant with the PCI Express Electromechanical Specification Rev. 2.0, and PCI Express Base Specification Rev. 2.0
Operating Systems	Windows 7 32-bit/64-bit; Windows Server 2003 & 2008 R2 64-bit; Red Hat Enterprise Linux, CentOS, Oracle Enterprise Linux, SUSE Linux Enterprise Server, Ubuntu Server and Desktop, VMware ESX 5.0 and ESXi 5.0
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)
Service & Support	3-Year Warranty; Dedicated FAE/FSE support (includes PM/engineer support through validation cycle)

Dramatically Accelerating Enterprise Applications



CM88 – Full Height Form Factor

CM84 – Half Height Form Factor



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<p>OCZ Technology Group, Inc. 6373 San Ignacio Ave. San Jose, CA 95119 USA +1(408)733-8400 sales@occenterprise.com</p>	<p>160 Konrad Cres., Unit #1 Markham, Ontario L3R 9T9 +1(905)479-7976 ca_sales@occenterprise.com</p>	<p>Coenecoop 89B 2741 PH Waddinxveen The Netherlands +31(0)182-624020 emea_sales@occenterprise.com</p>	<p>16F-3, No. 700, Chung Cheng Rd. Chung Ho City, Taipei County Taiwan, 235, R.O.C. +886-2-8227-3123 apac_sales@occenterprise.com</p>	