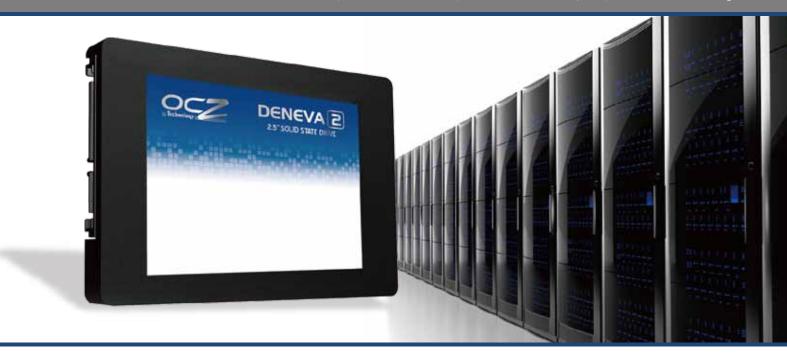


Deneva 2 C シリーズ ストレージ ソリューション



Deneva 2 SATA 3.0 Solid State Drives – 2.5" **MLC**

Cシリーズの概要

- 生産性 & アプリケーションの性能を劇的に向上させる最先端の SATA 6Gb/s ストレージソリューション
- クラス最高の耐用性と信頼性を兼ね備えた、コスト効率の良い MLC ベースのデザイン

SATA 3.0 インターフェース : より高い性能の実現へ

- 前世代製品よりも約2倍の転送速度
- ハードディスク・ベースのシングルサーバよりも数千倍高い性能
 - 500MB/s以上の転送速度
 - 最大 85,000 4K ランダムライト IOPS

信頼性、耐用性、そしてセキュリティ機能

- データフェイル・リカバリ機能により、卓越した信頼性を確保
- インテリジェントなブロックマネージメントとウェアレベルインテリジェントブロック・マネジメント&ウェアレベリング機能により、耐用性の向上
- 256-bit AES エンクリプション対応により、優れたセキュリティ機能を実現
- 強化されたエラー訂正機能により、拡張されたデータの安全性

顧客の要望に応える柔軟性のある製品仕様

- Deneva 2 は、業界標準の2.5"モデルを採用、 しかし顧客要望に合うようにSSDの仕様を変更することが可能
- 顧客のアプリケーションに最適なNAND flash タイプを選択可能
- 次世代のNAND flashメモリに対応

KEY DIFFERENTIATORS:

- Highest performing SSD in its class
- Ultra-high endurance for enterprise applications (increases drive life by up to 5x the rated P/E cycles of the NAND flash)
- Unique ability to customize form factor, functionality (i.e. firmware), & components
- Robust feature-set including enterpriseclass ECC, data reliability, and data path parity protection

OCZ Deneva 2 SSDs are designed and manufactured to solve today's enterprise storage challenges and address the limitations hard drive technology imposes on IT infrastructures. The Deneva 2 Series delivers the industry's best performance while meeting the stringent reliability, security, and economical needs of enterprise storage environments including cloud storage, web-serving, and data warehousing. Providing a lucrative option for datacenters, Deneva 2 maximizes IOPS per dollar enabling increased data throughput with lower power consumption and a smaller operating footprint.

お問い合わせ先





enterprise Deneva 2 C MLC Series Specifications

PHYSICAL	2.5" Deneva 2 C Series (Sync)	2.5" Deneva 2 C Series (Async)	
Usable Capacities (IDEMA)	60GB ~ 480GB	60GB ~ 480GB Asynchronous-Mode Multi-Level Cell (MLC) Serial ATA (SATA) 6Gb/s 2.5 inch SandForce® 2281	
NAND Components	Synchronous-Mode Multi-Level Cell (MLC)		
Interface	Serial ATA (SATA) 6Gb/s		
Form Factor	2.5 inch		
NAND Controller	SandForce® 2281		
Dimensions (L x W x H)	99.7 x 69.75 x 9.2 mm	99.7 x 69.75 x 9.2 mm	
Weight	88g (may vary slightly due to capacity)	88g (may vary slightly due to capacity)	
PERFORMANCE			
Max Read	up to 550 MB/s	up to 525 MB/s	
Max Write	up to 520 MB/s	up to 500 MB/s 35,000 IOPS	
Random Read Operations (4kB)	40,000 IOPS		
Random Write Operations (4kB)	60,000 IOPS (up to 85,000 IOPS)	45,000 IOPS (up to 85,000 IOPS)	
ENVIRONMENTAL			
Power Consumption	Idle: 1.65 Watts Active: 3 Watts	Idle: 1.5 Watts Active: 2.7 Watts	
Ambient Temperature	0°C ~ 55°C	0°C ~ 55°C 0°C ~ 70°C -45°C ~ 85°C RoHS, CE, FCC	
Operating Temperature	0°C ~ 70°C		
Storage Temperature	-45°C ~ 85°C		
Certifications	RoHS, CE, FCC		

RELIABILITY/SECURITY

MTBF 2 million hours

Recovers data from up to one NAND flash block (available on 120GB and up) Data Fail Recovery

Data Path Protection ECC: Up to 55 bits correctable per 512-byte sector

Read unrecoverable bit error rate (UBER) 10e-16 Data Reliability

128-bit & 256-bit AES-compliant Data Encryption

Product Health Monitoring Self-Monitoring, Analysis and Reporting Technology (SMART) Support

COMPATIBILITY

Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.0. Fully compliant Serial ATA

with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)

Operating System Windows XP 32-bit / 64-bit; Windows Vista 32-bit / 64-bit; Windows 7 32-bit / 64-bit; Linux; Mac OS X

Power Requirements Standard SATA Power Connector

ADDITIONAL FEATURES

TRIM (requires OS support) Performance Optimization

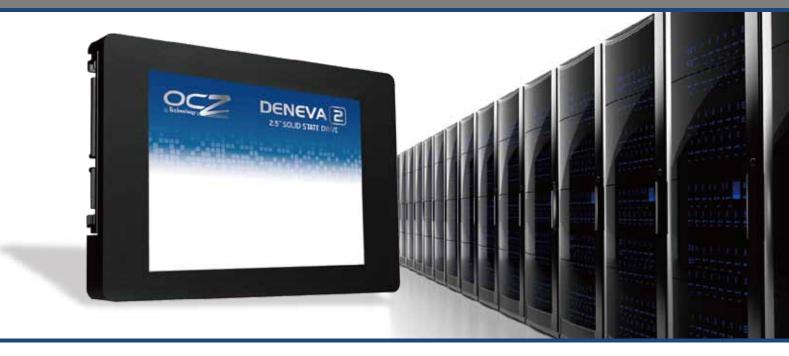
3-Year Warranty; Dedicated FAE/FSE support (includes PM/engineer support through validation Service & Support

	CAPACITY	PART NUMBER	UPC
SYNC	64GB/60GB	D2CSTK251M11-0060	842024028482
Σ	128GB/120GB	D2CSTK251M11-0120	842024026372
S	256GB/240GB	D2CSTK251M11-0240	842024026389
	512GB/480GB	D2CSTK251M11-0480	842024026396

		CAPACITY	PART NUMBER	UPC
	N N	64GB/60GB	D2CSTK251A10-0060	842024026990
	SY	128GB/120GB	D2CSTK251A10-0120	842024027003
	Ø	256GB/240GB	D2CSTK251A10-0240	842024027010
		512GB/480GB	D2CSTK251A10-0480	842024028956



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enterprise Deneva 2 C SLC Series Specifications

PHYSICAL

30GB ~ 120GB Usable Capacities (IDEMA)

Toggle-Mode Single-Level Cell (SLC) NAND Components

Serial ATA (SATA) 6Gb/s Interface

Form Factor 2.5 inch

NAND Controller SandForce® 2281

99.7 x 69.75 x 9.2 mm Dimensions (L x W x H)

Weight 88g (may vary slightly due to capacity)

PERFORMANCE

Max Read up to 550 MB/s

Max Write up to 520 MB/s

Random Read Operations (4kB) up to 55,000 IOPS

up to 80,000 IOPS Random Write Operations (4kB)

ENVIRONMENTAL

Power Consumption Idle: 1.65 Watts Active: 3 Watts

0°C ~ 55°C **Ambient Temperature**

0°C ~ 70°C Operating Temperature

Storage Temperature -45°C ~ 85°C

Certifications RoHS, CE, FCC

RELIABILITY/SECURITY

MTBF 2 million hours

Recovers data from up to one NAND flash block (available on 120GB and up) Data Fail Recovery

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Standard SATA Power Connector Power Requirements

ADDITIONAL FEATURES

Performance Optimization TRIM (requires OS support)

3-Year Warranty; Dedicated FAE/FSE support (includes PM/engineer support through validation Service & Support

cycle)

PRODUCT		CAPACITY		ORDERING		
NAME	TYPE	RAW	IDEMA	WRITE ENDURANCE*	PART NUMBER	UPC
Deneva 2	2.5" SLC	32GB	30GB	Up to 15PB	D2CSTK251S14-0030	842024029045
Deneva 2	2.5" SLC	64GB	60GB	Up to 30PB	D2CSTK251S14-0060	842024027522
Deneva 2	2.5" SLC	128GB	120GB	Up to 60PB	D2CSTK251S14-0120	842024027515