

Berlin

M.2 2280 SATA III 6Gb/s

KEY FEATURES

General

- NAND Flash Supported:
 - Client Multi-Level Cell (cMLC)
- SATA III interface
- TBW:
 - 128GB: Up to 90TB Sequential Write
 - 256GB: Up to 190TB Sequential Write
- Advanced Flash Management:
 - Static and Dynamic Wear Leveling
 - Bad Block Management
 - TRIM / SMART
 - PLP for Cache Information
 - Secure Erase

Temperature

- C-Temp: 0°C to 70°C

Reliability

- Mean Time Between Failures (MTBF): >1,000,000 Hours



The Unigen M.2 Series of solid state drives is designed specifically to address the demanding performance and reliability requirements of Enterprise Class storage and computing applications. The Unigen M.2 is designed around the SMI® 2246EN Flash controller to support the storage needs of the next generation of solid state drive (SSD) products. The Unigen M.2 offers native support for a high-performance SATA III host interface, supporting the high bandwidth requirements of emerging video processing and network switch applications. Designed for ultimate reliability, Unigen M.2 Series SSD's have a more than 1.0 million hour mean time between failure (MTBF) rating ensuring reliability over long term usage. All Unigen drives are backed by a 3-year warranty and come with dedicated technical and engineering support for OEM clients.

PRODUCT SPECIFICATIONS

Product Family	Description
Form Factor	Available in M.2 Form Factor
Dimensions	22mm x 80mm
Storage Capacity	128GB, 256GB, 512GB

Power	Description
Active (typical)	< 3W
Idle (typical)	< 1W

Metric	128GB MLC	256GB MLC
Max Read	530MB/s	530MB/s
Max Write	330MB/s	410MB/s
Based on 128k Data Patterns		

Metric	128GB MLC	256GB MLC
4Kb Random Read	73,000	75,000
Max Write	63,000	75,000
Based on 4K Random CDM		

ORDERING INFORMATION

Unigen Part Number	NAND Type	Temp Option
UBM2SMO128HCM1-ETG-UGN	MLC	C-Temp
UBM2SMO256HCM1-FTG-UGN	MLC	C-Temp
UBM2SMO512HCM1-HTG-UGN	MLC	C-Temp

