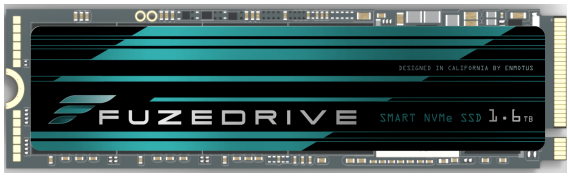
FUZEDRIVE

World's Smartest SSD

Artificial Intelligent SSDs for serious gamers and professional applications!



NEXT GENERATION TECHNOLOGY

FuzeDrive SSD™ blends high endurance, high performance static SLC plus QLC on a single controller architecture NVMe SSD.

ARTIFICIAL INTELLIGENT STORAGE

The system learns your data usage and intelligently manages the placement of data to maximize endurance.

POWERFUL LASTING PERFORMANCE

Static SLC is used as primary storage, thereby increasing both endurance as well as performance.

CONFIDENTLY STORE YOUR WORK

Until now, performance SSDs sacrificed capacities in order to be affordable. FuzeDrive SSD gives you the best of all worlds: Performance, Endurance, Capacity and Great Value.

enmotus

FuzeDrive SSD Breaks The Mold Of Traditional SSD Architectures

FuzeDrive SSD™ has taken a quantum leap in SSD architecture. As the industry strives to squeeze more endurance and performance from Quad Level Cell NAND (QLC), Enmotus blends high performance Single Level Cell (SLC) NAND with QLC on a single controller NVMe SSD and uses sophisticated Artificial Intelligent Algorithms to enhance QLC's limitations.

A Better Way Of Managing Your Data

Leapfrogging traditional caching and dynamic SLC caching techniques, Enmotus has come to market with a highly intelligent managed QLC based solution. This provides the best of performance AND capacity without sacrificing cost or using exotic flash technology. High endurance 30,000+ Program / Erase (P/E) cycle flash is combined with high capacity QLC within a single M.2 device and managed by an artificial intelligent software layer.

Superior Performance, Superior Endurance

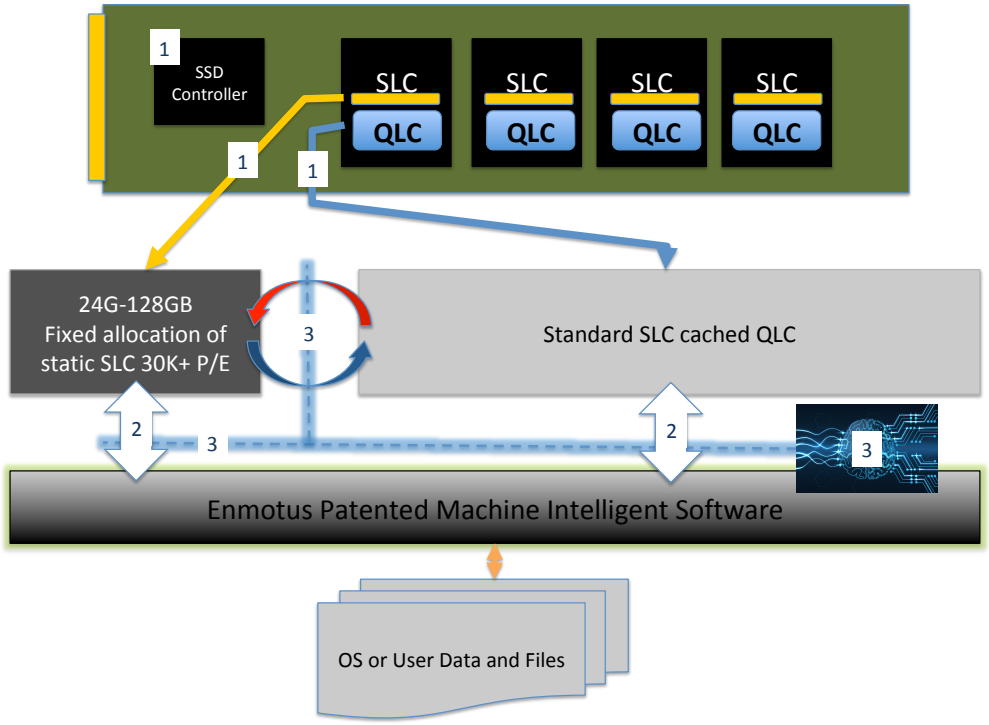
The FuzeDrive SSD provides long lasting performance. Active data and heavy write traffic is moved to the SLC portion of the drive, which minimizes write activity to the QLC portion of the drive. It's like having 2 drives in one: SLC for your games and applications and QLC to store all your media and data. Best of all, it is all managed automatically. Even better, as your drive fills up your performance won't suffer.

Expandable Capacity

FuzeDrive SSD Fuzion™ software allows you to easily increase your capacity by combining it with an additional SATA device (SSD or HDD). Imagine having a 15TB drive with SLC performance!

Exceptional Value

Consumer SLC drives, even if they were available, would be priced beyond the reach of most consumers, until now. FuzeDrive SSD delivers on performance, capacity and endurance at value pricing.



(1) SSD NAND is divided into two pools: SLC and QLC by the SSD controller firmware

(2) Smart SSD software has direct access to the two types of NAND flash:

- SLC = high performance and endurance, QLC = high capacity, low endurance

(3) Data is intelligently and continuously balanced across SLC or QLC by Enmotus software

- Heavy traffic => SLC, Light traffic => QLC, SLC is smart provisioned on the fly

	P200-900/24	P200-1600/128
Interface	NVMe PCIe Gen 3	NVMe PCIe Gen 3
Form Factor	M.2 NVMe 2280	M.2 NVMe 2280
Capacity[1]		
Total Capacity	900 GB	1550 GB
Fixed SLC Capacity	24 GB	128 GB
Performance[2]		
Sequential Reads (Seq 1MiB)	3470 MB/s	3470 MB/s
Sequential Writes (Seq 1MiB)	2000 MB/s	3000 MB/s
Random Reads (RND4K T32/Q32)	193 KIOPS	372 KIOPS
Random Writes (RND4K T32/Q32)	394 KIOPS	402 KIOPS
Random Reads (RND4K T1/Q1)	15.6 KIOPS	15.7 KIOPS
Random Writes (RND4K T1/Q1)	57.5 KIOPS	58.5 KIOPS
Endurance		
Endurance Class[3]	Silver	Gold
Endurance TBW (Best Case)[4]	750 TBW	3,600 TBW
Warranty	5 years	5 Years
Reliability and Environmental		
Mean Time Between Failure (MTBF)	1.8 Million hours	1.8 Million hours
Uncorrectable Bit Error Rate (UBER)	<1 sector per 10^{16} bits read	<1 sector per 10^{16} bits read
Temperature (Operating)	0^0 C ~ 70^0 C	0^0 C ~ 70^0 C

1- Unformatted. 1 GB=1 billion bytes. Formatted capacity is less
2- CDM 7.0.H on a Ryzen7 3800X, Gigabyte Motherboard, 32GB of DRAM, NVIDIA 2080TI GPU
3- Gold Endurance is defined as greater than 1TBW/GB
Silver Endurance is defined as greater than 0.5TBW/GB and less than 1TBW/GB
4- Best case Endurance using JESD219 Client Workloads using a Lenovo P920 with Dual Gold Xeon Processors and 32GB of ECC DRAM. Endurance was estimated after writing through 4% of noted endurance and calculating using the center 2% for accuracy taking measurements every 5 minutes