



Using ST-MRAM in Enterprise SSDs

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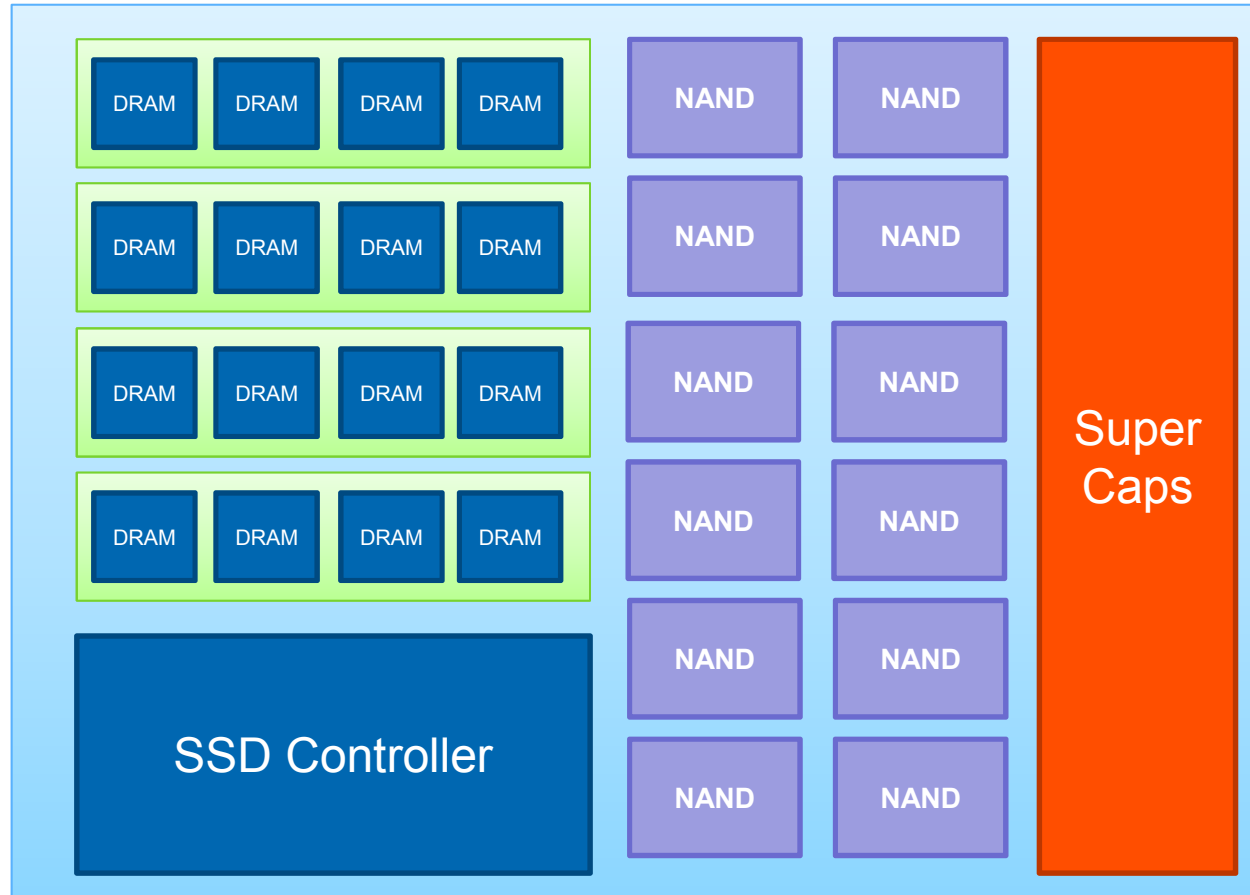


PMC Loves ST-MRAM!

- We ship a lot of SSD controllers, Raid on Chip Adaptors and Host Bus Adaptors.
- A **lot** of our products store stuff in tables in DRAM we **cannot** lose:
 - RoC: RAID mapping tables.
 - SSD Controller: LBA to AP tables
: Write cache data.
- Let's focus on a 2.5" SSD...



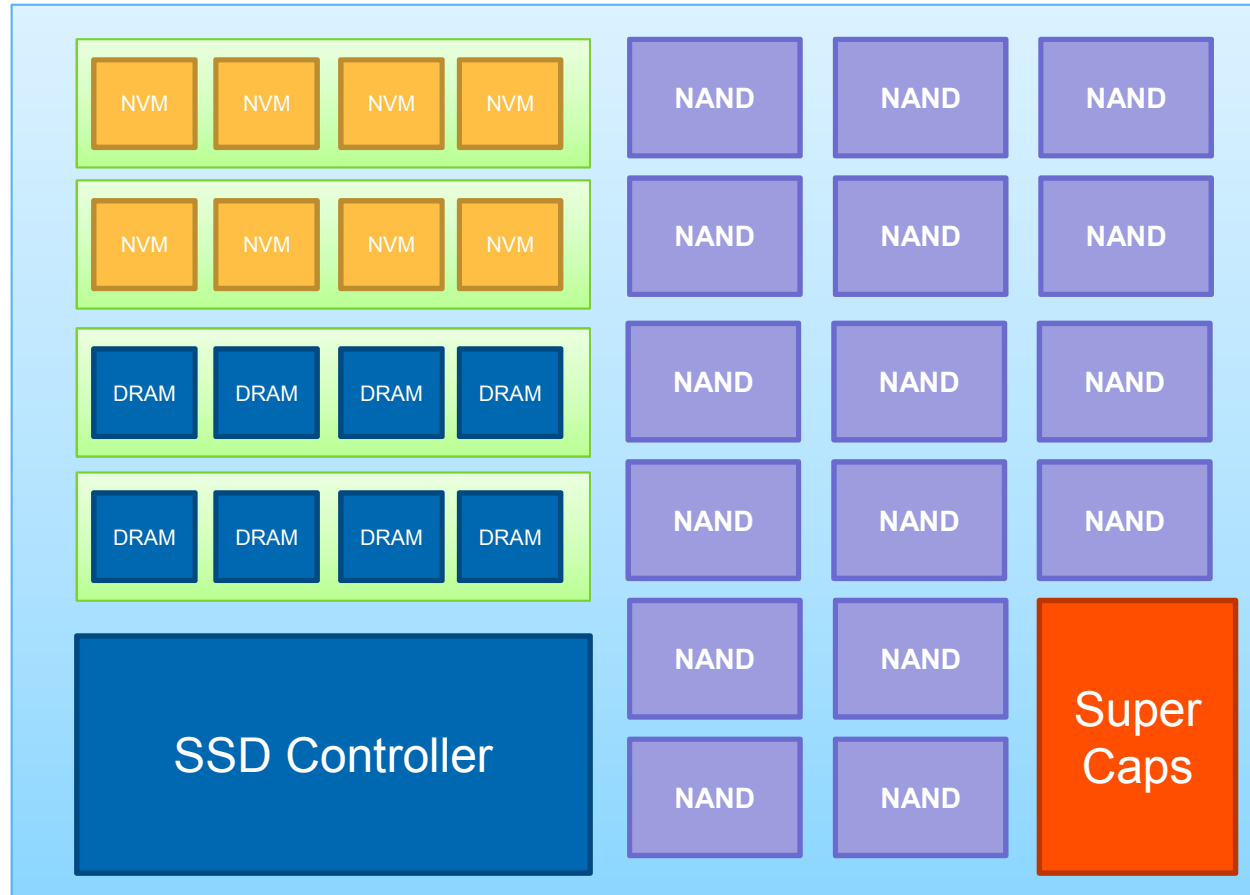
Today – 2.5” SSD with DRAM



N.B. Not to scale, for illustrative purposes only.



Soon – DRAM and ST-MRAM



N.B. Not to scale, for illustrative purposes only.



Conclusions

- ST-MRAM is of great interest to PMC and our customers.
- We could use this stuff today.
- Give us samples and we will demo and showcase the technology.
- Let us know of any “foibles” and we can accommodate them in our controller IP.