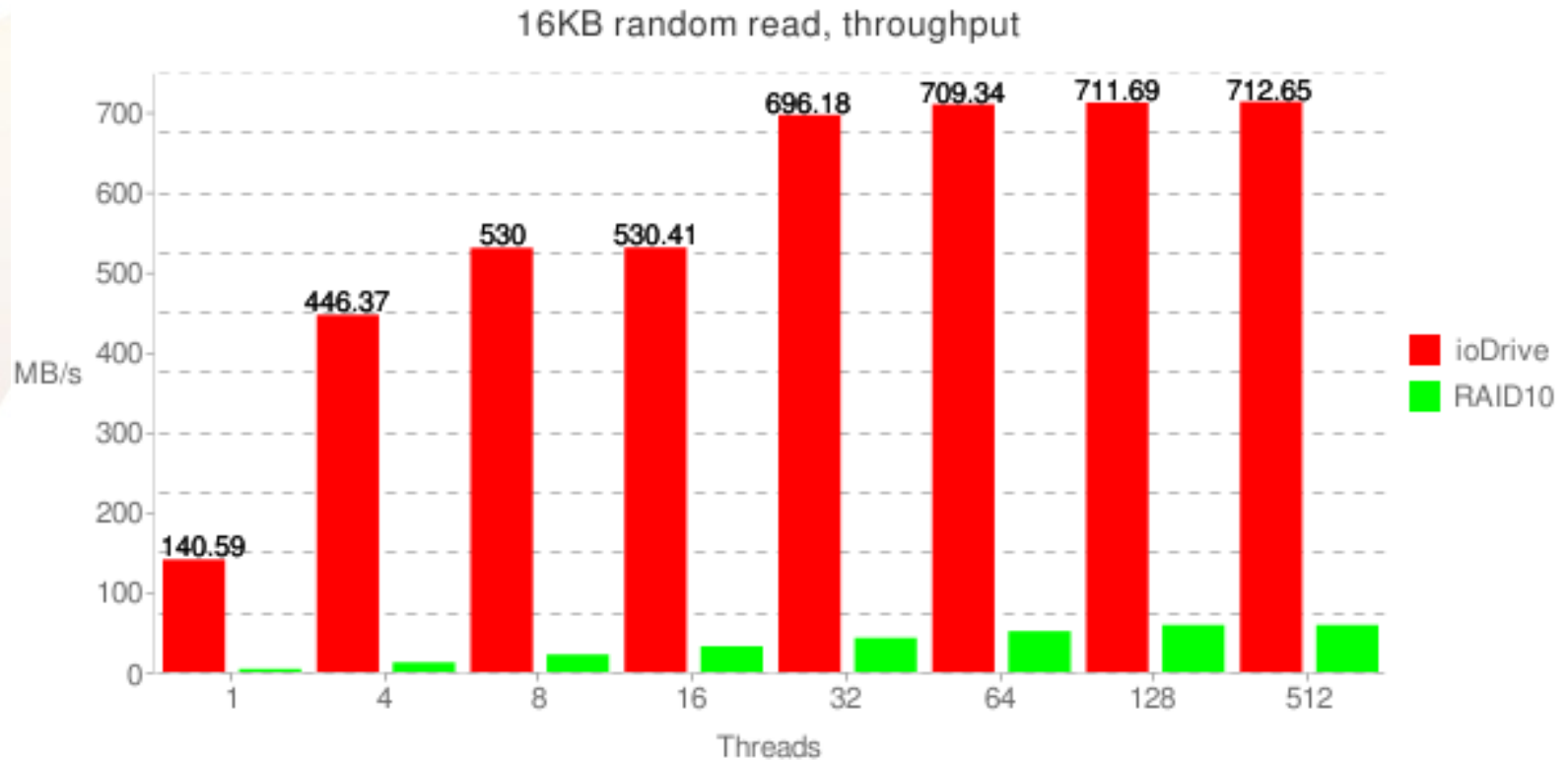


Flash is Revolutionary

- Changes storage from spinning to solid state
- Changes performance
- Changes application development

Performance is Impressive



Challenges

- Complexity of engineering

What RAID level to use ?
What RAID card to use ?
How to put it all together ?



Challenges

- Reliability
- Capacity
- Price

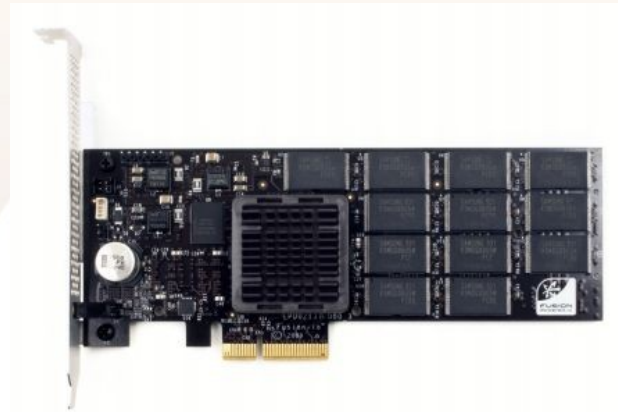
Advantages

- IO performance is really impressive
- Consolidation factor 2x-10x
- Reduced power consumption

Read / Write Asymmetry

- Fast reads
- Fast writes
 - But much slower than reads

Firmware Matters



Application Changes

- Eliminates 100 IOPS limitation
- Algorithms, access patch, etc.
- Cache hierarchy

