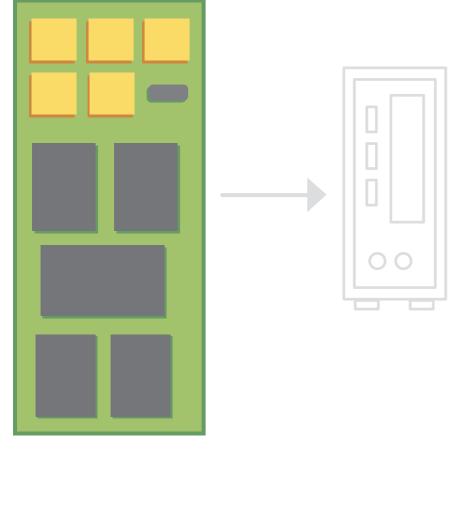
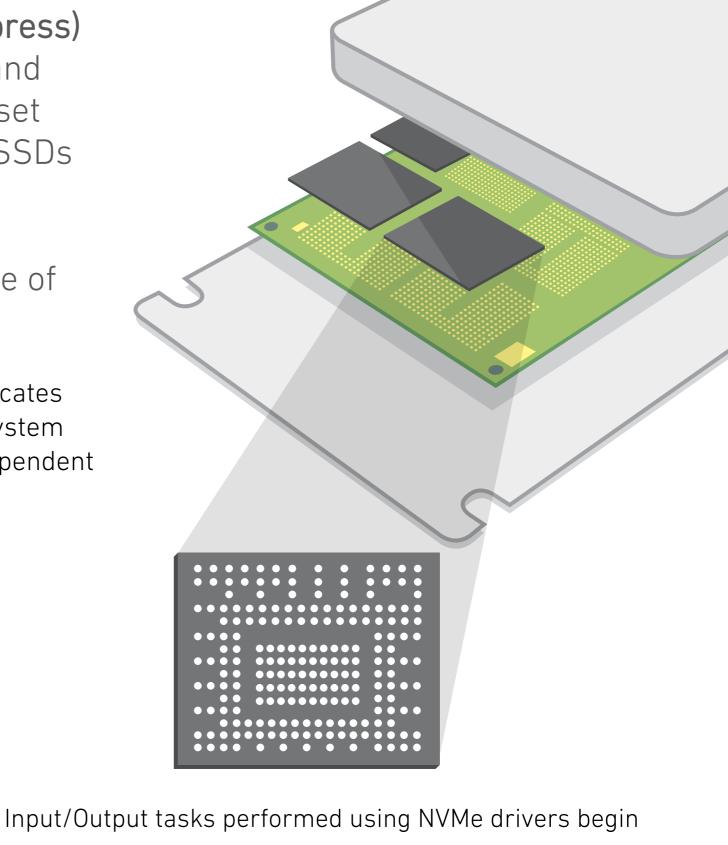
NVMe (Non-Volatile Memory Express) is a communications interface and driver that defines a command set and feature set for PCle-based SSDs with the goals of increased and efficient performance and interoperability on a broad range of enterprise and client systems.

NVMe was designed for SSD. It communicates between the storage interface and the System CPU using high-speed PCle sockets, independent

of storage form factor.



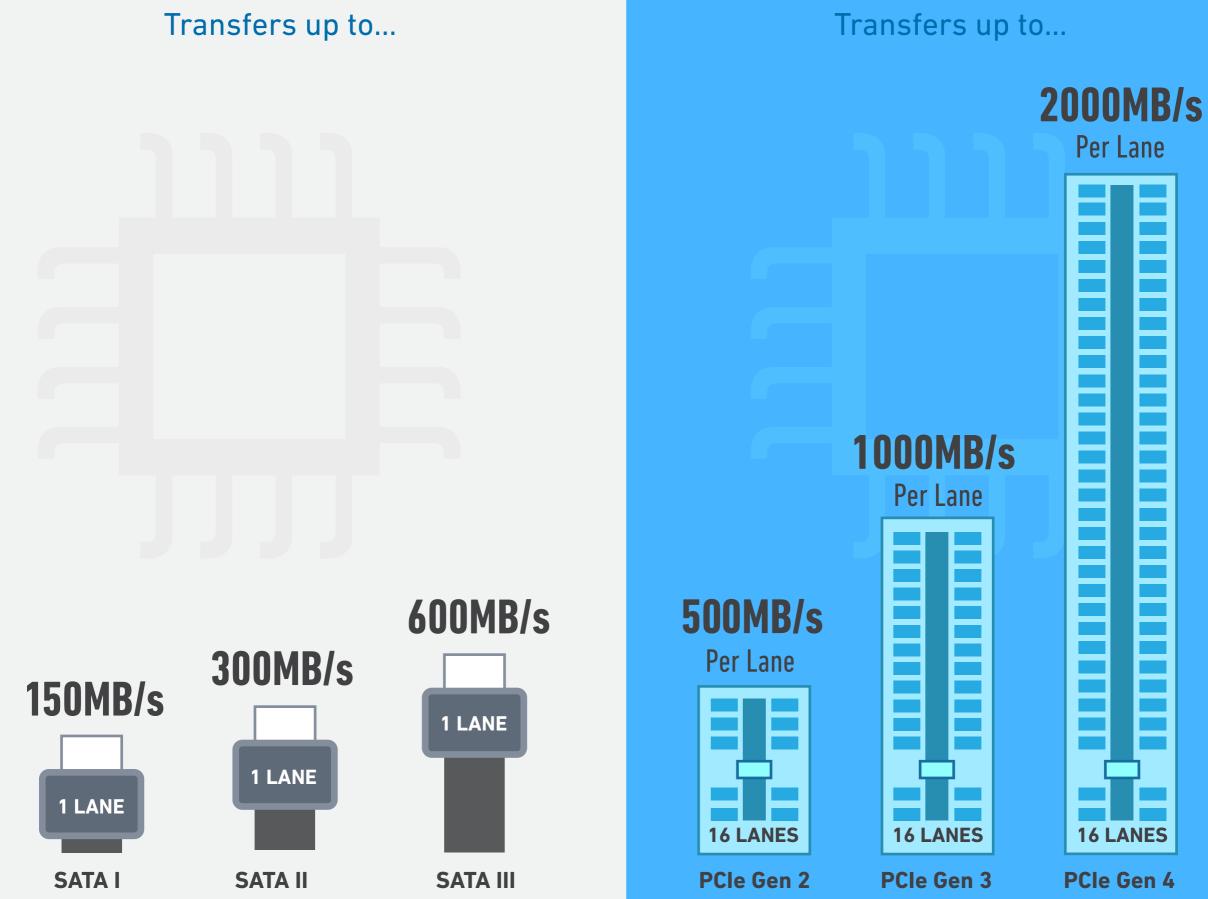


faster, transfer more data, and finish faster than older storage models using older drivers, such as AHCI (Advanced Host Controller Interface). Because it was designed specifically for SSDs, NVMe is becoming the new industry standard.

STORAGE: THEN AND NOW **DATA BUSES: Transport data within a system**

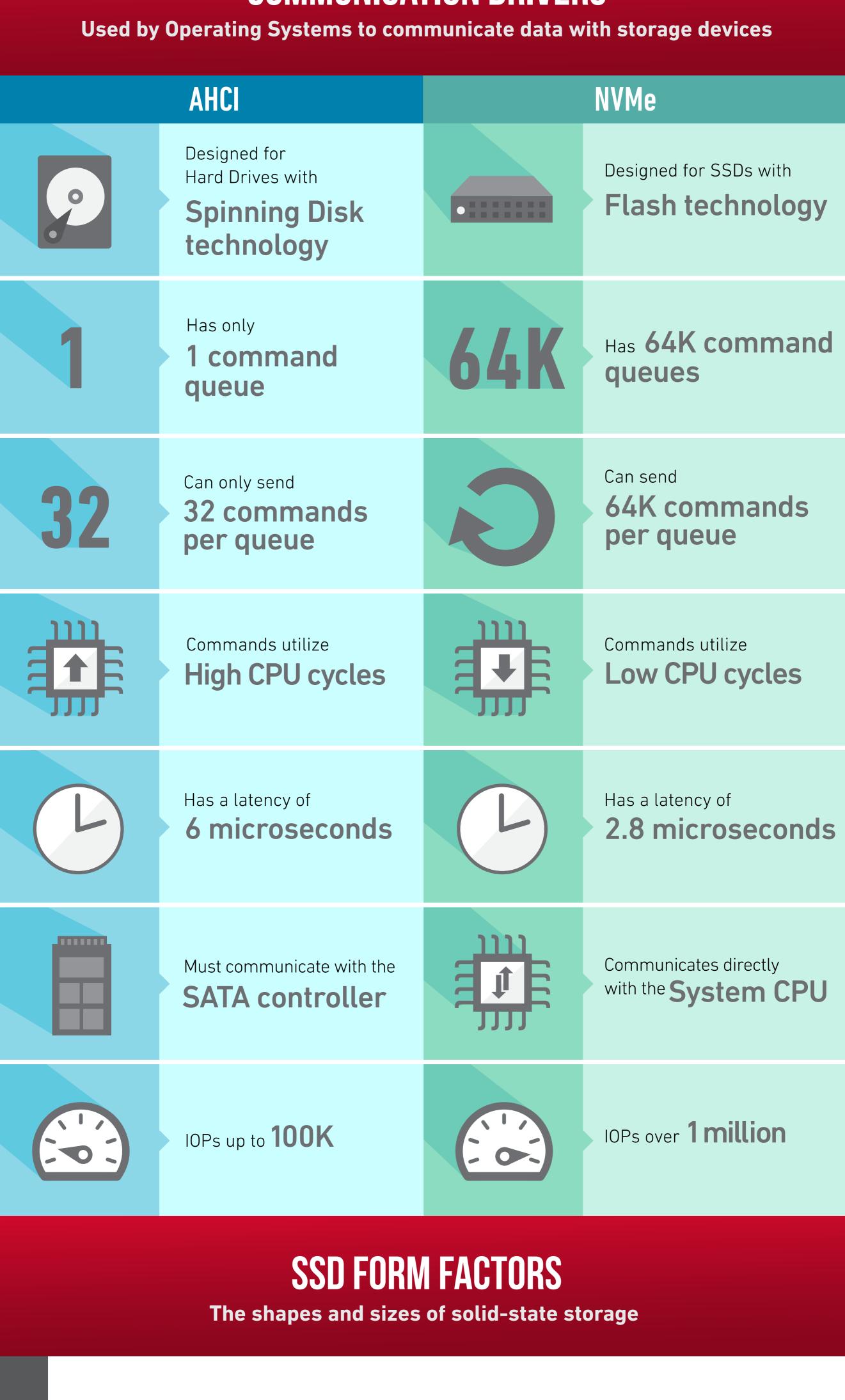
WHAT SHOULD YOU KNOW?

PCle SATA

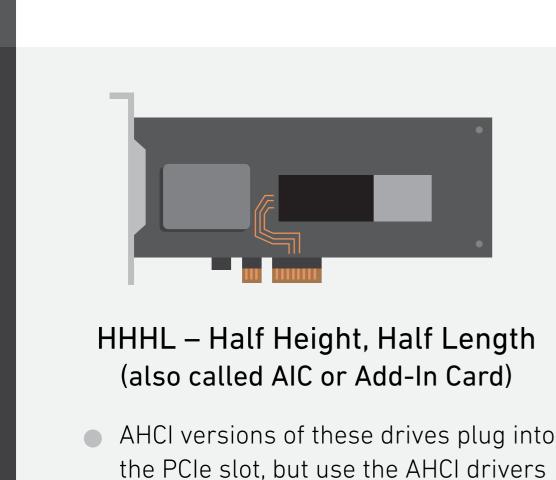


COMMUNICATION DRIVERS

Using 16 lanes, PCle Gen 4 can transfer data at 32,000MB/s



1.8" **mSATA**



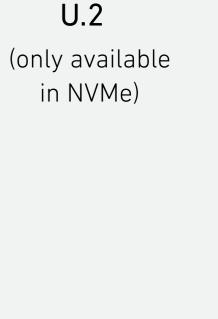
2.5"

- Some older versions of HHHL use proprietary drivers NVMe versions typically use native OS drivers
- **BEYOND THE NUMBERS**



(designed for smaller

form factor systems)



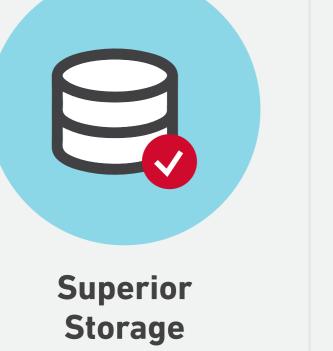
M.2

(supports

AHCI version)

Benefits of NVMe Technology

Optimal Performance

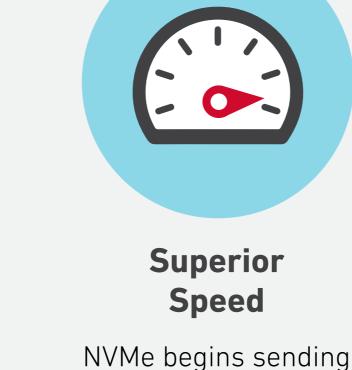


PCle sockets transfer

>25x more data

than their SATA

equivalent

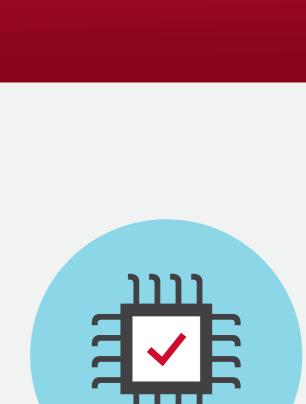


2x faster than AHCI drivers NVMe Input/Output Operations per Second exceeds 1 million

commands more than

and is up to 900% faster

than its AHCI equivalent



Superior Compatibility NVMe cuts out the middle

man by communicating

directly with the

System CPU NVMe-based drives work with all major Operating

Systems, regardless of form factor

Contact your local Kingston representative to find out which Kingston SSD drive is right for you

