Ultrastar® SN100 Series

NVMe PCIe Solid-State Drives

Highlights

- Supports standard NVMe drivers
- Up to 3.2TB capacity in both the HH-HL add-in card and 2.5-inch drive form factors
- HGST's NVMe-compatible extensions unlock up to 2X performance and 2X endurance improvements

Applications/Environments

- Cloud, hyperscale, enterprise and high performance computing
- Suitable for the most demanding scale-out database workloads
- Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP)
- High Frequency Trading (HFT)
- Virtualized computing
- Space and/or power constrained environments

NVMe PCIe SSDs for Application Acceleration

HGST continues its commitment to provide industry-leading, high-performance storage solutions for the enterprise market and better meet its customers' needs with its a new NVMe (Non-Volatile Memory Express, or NVM Express) PCIe SSD family of products—the Ultrastar® SN100 Series. The Ultrastar SN100 PCIe product family will drive the next wave of server Flash adoption with simplified system integration paired with HGST's renowned quality and reliability.

NVMe protocol standardization enables broad product interoperability and ease of deployment, resulting in lower cost of ownership. To further accelerate innovation for server-side Flash solutions in what can be a slow industry standardization process, HGST will be implementing NVMe-compatible extensions. These extensions will deliver new levels of application integration by enabling value-add software layers to interface with the PCIe SSD's NAND Flash management. The resulting device affinity optimizations across software and the Ultrastar SN100 Series PCIe SSDs will unlock up to 2X performance and 2X endurance improvements for solutions like high availability (HA) clustering and caching, as demonstrated by our current FlashMAX® PCIe SSDs and Virident software solutions.

HGST's Ultrastar SN100 Series, **sampling now**, will be offered as a HH-HL add-in card, as well as the highly serviceable 2.5-inch drive, with industry-leading capacities up to 3.2TB.

Ultrastar SN150
HH-HL add-in card
3200GB and 1600GB

Ultrastar SN100
2.5-inch form factor
3200GB, 1600GB and 800GB

Why NVMe?

NVMe is an interface specification that was created to deliver the full potential of Non-Volatile Memory in PCIe-based solid-state storage devices to meet the needs of enterprise and client platforms.