

Toshiba Claims First SSD With 96-Layer 3D Flash

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Toshiba Memory announces the XG6-- a first SSD lineup based on 96-layer BiCS FLASH 3D flash memory allowing for read speeds reaching up to 3180MB/s and write speeds of 3000MB/s, as well as 365000 random write IOPS.



The drives will find a variety of uses across the client PC, high-performance mobile, embedded and gaming segments, as well as datacentre environments for boot drives in servers, caching and logging, and commodity storage. They are available in an M.2 2280 single-sided form factor, with support for PCIe Generation 3x4 lane and NVMe revision 1.3a.

Further features include support for user-selectable over provisioning through NVMe command, an improved SLC buffer and optional security with Pyrite or self-encrypting models supporting TCG Opal 2.01, as well as block SID and digital signature.

"Toshiba Memory is at the forefront of 3D flash memory development with 96-layer BiCS FLASH," the company says. "SSDs pose the most formidable flash design challenge, and becoming the first company in the world to bring an SSD to market with the most advanced flash node is an achievement that is only possible due to our years of commitment to advancing our SSD technology."

The XG6 series is currently in sampling phase, and will be available in 256, 512 and 1024GB capacities.

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