

Intel Brings Optane, QLC SSDs

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The Intel "Data-Centric Innovation Day" involves more than just Xeon processors-- Chipzilla also takes the time to unveil a pair of Optane products and a QLCD 3D NAND SSD.



As Intel puts it, the Optane DC persistent memory DIMMs bring "breakthrough storage-class memory capacity to the Intel Xeon Scalable platform," allowing for "faster-than-ever analytics, cloud services, virtualisation and next-generation communication services." Optane DC persistent memory fits with regular DRAM using a standard DDR4 slot, and delivers up to 36TB of system-level memory. A persistent memory tier allows data persistence in main memory, not disks, meaning in-memory software glean greater insights from large datasets.

Optane technology also finds use in the DC SSD D4800X-- a dual-port NVMe SSD providing a "24x7" available data path and super-fast storage. Intel promises a 9x boost in read latency compared to NAND dual port, increasing the value of stored data in mission-critical environments. Another piece of storage hardware from Intel is the SSD D5-P4326, a PCIe QLC SSD compliant with the EDSFF standard. A "ruler" form factor allows for "massive" capacity reaching up to 1PB, all within a 1U design.

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