

Samsung Claims New Standards With 970 PRO, EVO

Written by Frederick Douglas
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Samsung launches a 3rd generation of consumer NVMe SSDs-- the 970 PRO and EVO, aimed at the professional and enthusiast markets with higher performance through the PCIe gen 3x4 interface.



“Samsung has led the NVMe SSD industry since its inception, and the company continues to define the latest standards of consumer storage with unprecedented performance of the 970 PRO and EVO SSDs,” the company says. “The 970 series sets a new bar in all aspects for the NVMe SSD market with groundbreaking performance, superior reliability and best-in-class capacity.”

Based on the M.2 form factor, the 970 series promises "unparalleled performance" in data-intensive tasks such as 3D, 4K graphics, high-end games and data analytics. The PRO offers sequential read speeds of up to 3500MB/s and sequential write speeds of up to 2700MB/s, while the EVO offer read reaching 3500MB/s and sequential write of up to 2500MB/s.

Powering such performance is the latest Samsung V-NAND technology, as well as the newly designed Phoenix controller. The EVO adds TurboWrite technology using a large 78GB buffer to enable faster write speeds. The two SSDs also include Dynamic Thermal Guard technology to monitor and maintain optimal operating temperatures, while a heat spreader and nickel-coated controller keep the drives even cooler.

The 970 EVO and PRO will be available from May 2018. The PRO comes in 512GB and 1TB capacities, and the EVO comes in 250GB, 500GB, 1TB and 2TB.

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