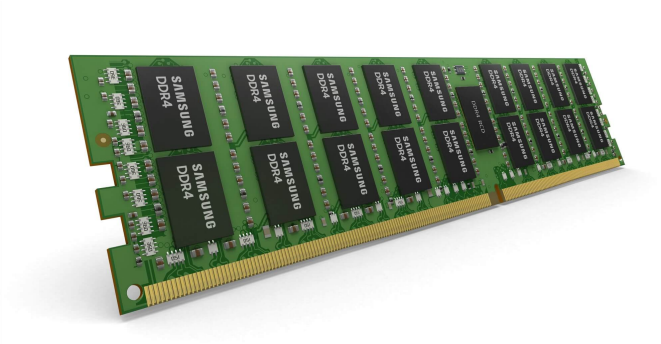
An update to the Samsung memory product page quietly reveals the addition of 32GB unbuffered DDR4 modules based on the 16Gb chips. The 32GB modules are UDIMMs, making them regular RAM for consumer desktops.



Bearing the model number M378A4G43MB1-CTD, the 32Gb UDIMM is rated to operated at DDR4-266 data rates at the standard 1.2V. Samsung does not provide timings, but they probably use standard JEDEC latencies for DDR4-266, being CL17 17-17 or higher. The chips are arranged as (2Gbit x 8) x 16. The modules are built using a 10nm process, and promise to be more energy efficient than Samsung DIMMs using a larger number of 8Gb devices.

32GB UDIMMs allow for the addition of more memory per DIMM slot. For instance, while Threadripper CPUs support up to 1TB of RAM, 8 DIMMs per motherboard and 32GB per DIMM means the actual limit is lower. Small form factor PCs such as micro-ATX with less DIMm slots can also benefit from higher density memory.

Currently Samsung is sampling the high-density memory to 3rd parties.

Go Samsung 32GB UDIMMs