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Other approaches are required to solve the limited core speed. In addition, scaling limits and increased lithography costs make it hard for DRAM vendors to increase the density of DRAM. Wide I/O DRAM is one alternative type of memory, as is TSV-based stacked memory. In this chapter, we introduce the fundamentals of high-speed DRAM operation.

An Introduction to High-Speed DRAM | SpringerLink

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High Bandwidth Memory - Wikipedia

HBM, or high bandwidth memory, provides higher bandwidth while also utilizing less power. Therefore, it has a different architecture than GDDR. All the DRAM dies (up to eight) are stacked, as well as an optional base die which contains a memory controller.

GDDR6 VS HBM2 Memory - TechSiting

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High-Bandwidth Memory Interface Design

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