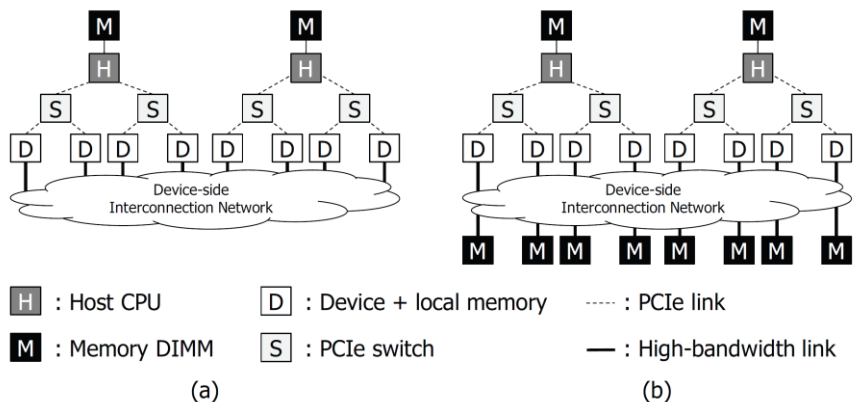
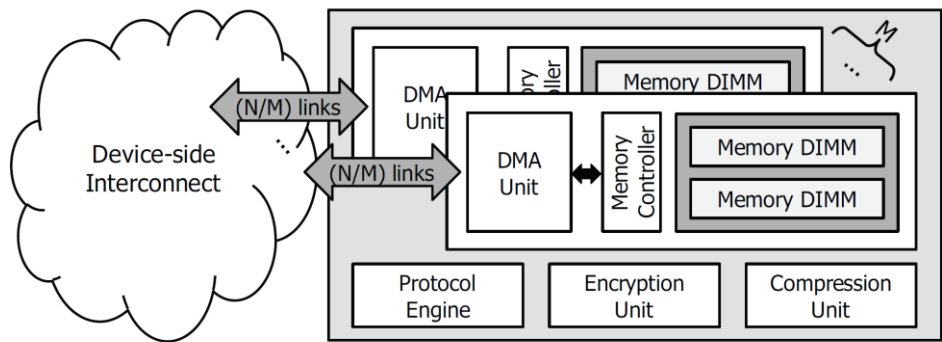


Youngeun Kwon and Minsoo Rhu, "Beyond the Memory Wall: A Case for Memory-Centric HPC System for Deep Learning," in *Proceedings of the International Symposium on Microarchitecture (MICRO)*, 2018



**Fig. 1:** (a) A device-centric deep learning system architecture, and (b) a memory-centric deep learning system architecture.



**Fig. 6:** Memory-node architecture.