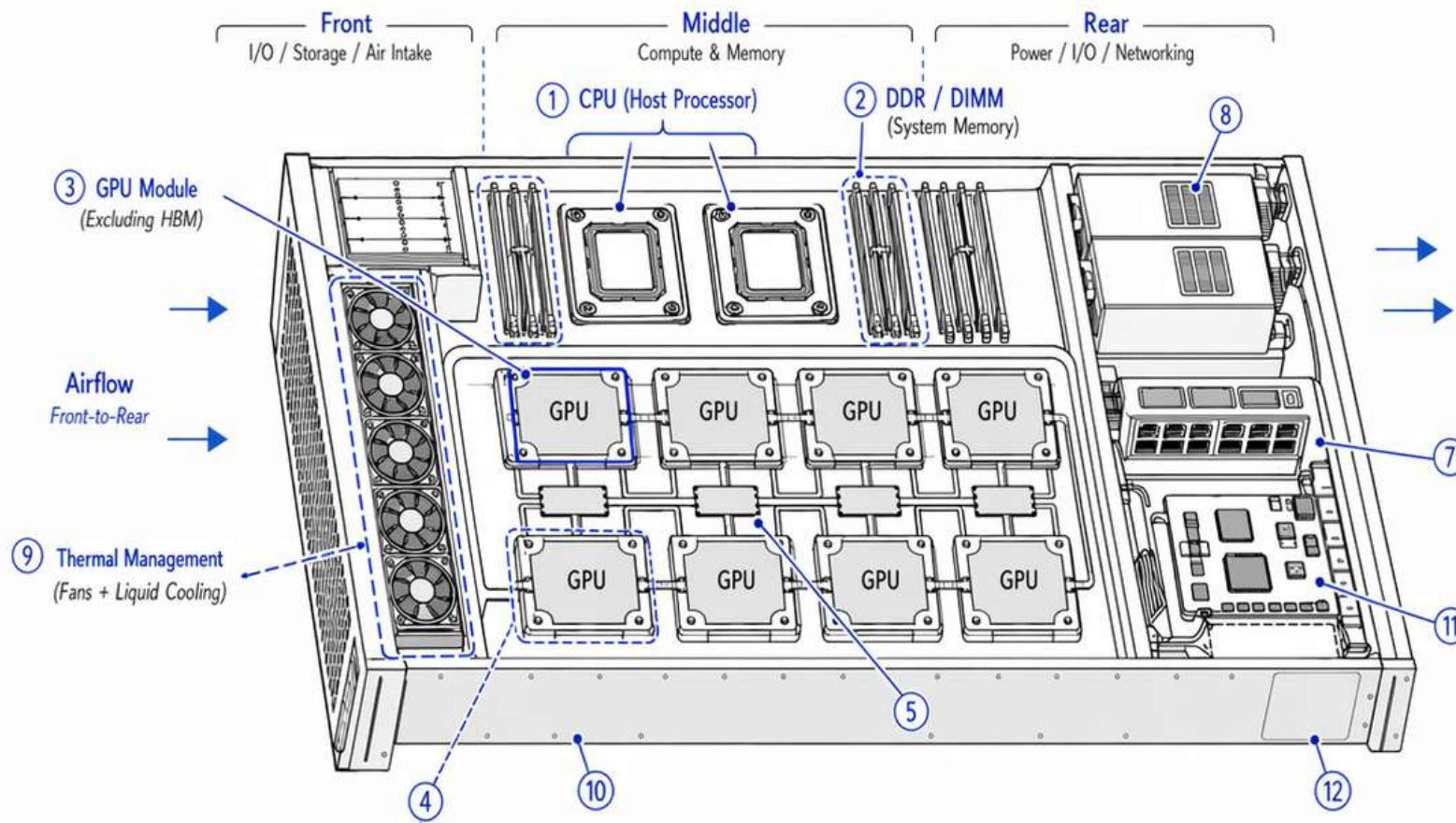
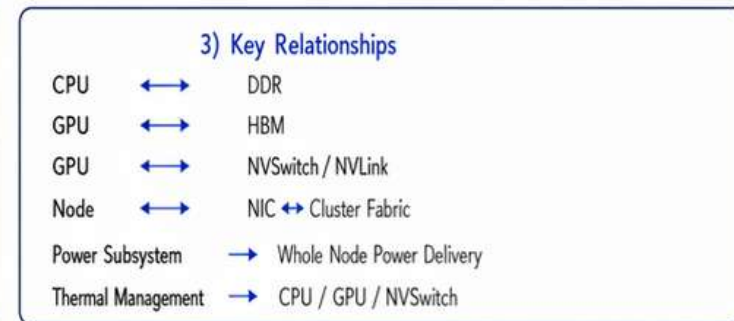
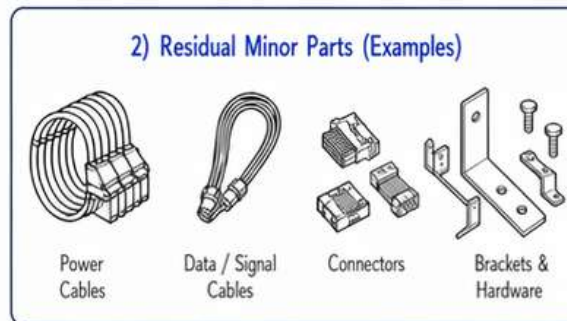
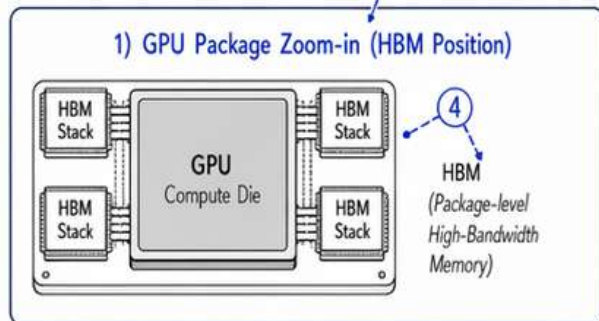


12-Module Final: Representative AI Server / Node Structural Decomposition

Example based on Dell XE9680L / HGX-class 8-GPU liquid-cooled node (schematic, not official hardware drawing)



12 Modules	
①	CPU (Host Processor)
②	DDR / DIMM (System Memory)
③	GPU Module (Excluding HBM)
④	HBM (Package-level High-Bandwidth Memory)
⑤	NVSwitch / NVLink (Intra-node GPU Interconnect)
⑥	SSD / NVMe (Boot / Local Cache Storage)
⑦	NIC / InfiniBand / Ethernet (Inter-node Networking)
⑧	Power Subsystem (PSU + PDB)
⑨	Thermal Management (Fans + Liquid Cooling)
⑩	Mechanical Enclosure & Assembly
⑪	Auxiliary Boards & Control Electronics
⑫	Residual Minor Parts (Cables / Connectors / Brackets)



Hierarchy note: GPU module = compute device; HBM = package-level memory; NVSwitch/NVLink = inter-GPU fabric.

This figure is intended for server/node-boundary structural and GHG decomposition, emphasizing relative location, state, and connectivity rather than exact service dimensions.