

Assemble Compute, Storage and Memory Resources via PCIe/CXL Cabling

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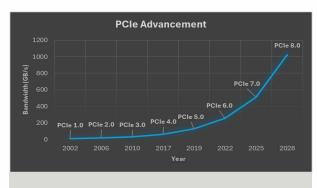
August 7, 2025 – The Future of Memory and Storage (FMS)

Forward-looking statements

Except for statements of historical fact, this presentation contains forward-looking statements (within the meaning of the federal securities laws) including statements related to future revenue, future earnings, and the success of our product releases that involve risks and uncertainties. Words such as "anticipates," "expects," "intends," "plans," "projects," "believes," "seeks," "estimates," "can," "may," "will," "would" and similar expressions identify such forward-looking statements. These statements are not guarantees of results and should not be considered as an indication of future activity or future performance. Actual events or results may differ materially from those described in this presentation due to a number of risks and uncertainties.

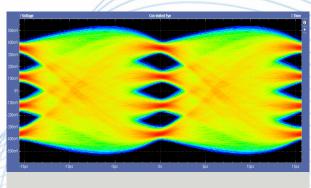
Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions that are difficult to predict, including those described in the "Risk Factors" section of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and other documents filed by us from time to time with the SEC. Forward-looking statements speak only as of the date they are made. You are cautioned not to put undue reliance on forward-looking statements, and no person assumes any obligation to update or revise any such forward-looking statements, whether as a result of new information, future events or otherwise.

Cadence of technology advance is increasing

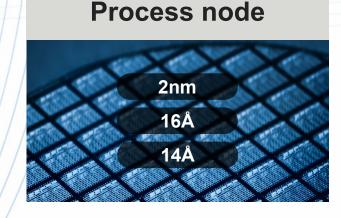


PCle progression



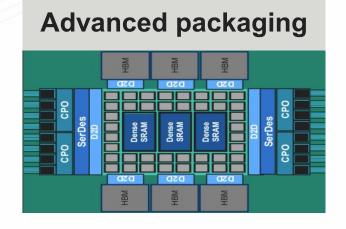


I/O speed





Electrical → optical



Frontend network

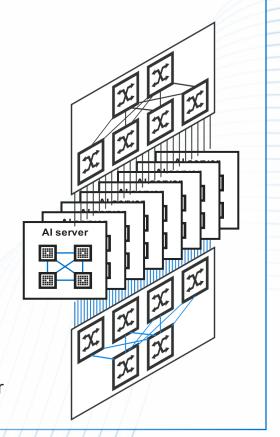
Connects AI servers to rest of DC

Scale-up network

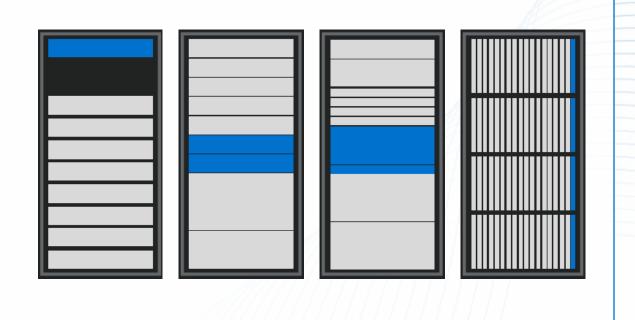
Connect XPUs via compute fabric

Backend network

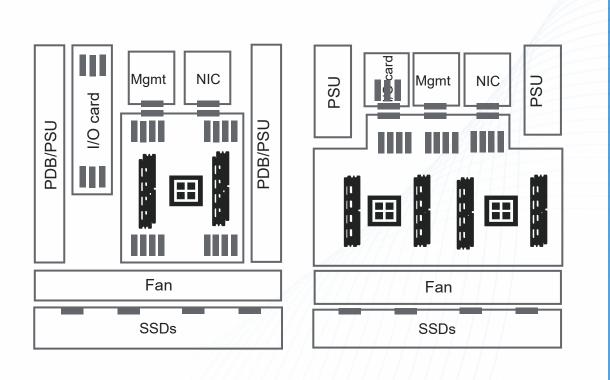
Connects AI servers within a cluster



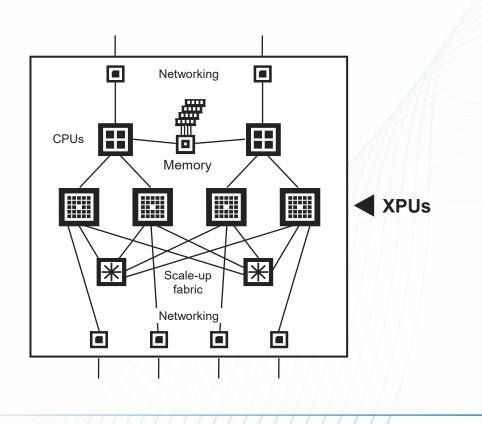
► Al scale up



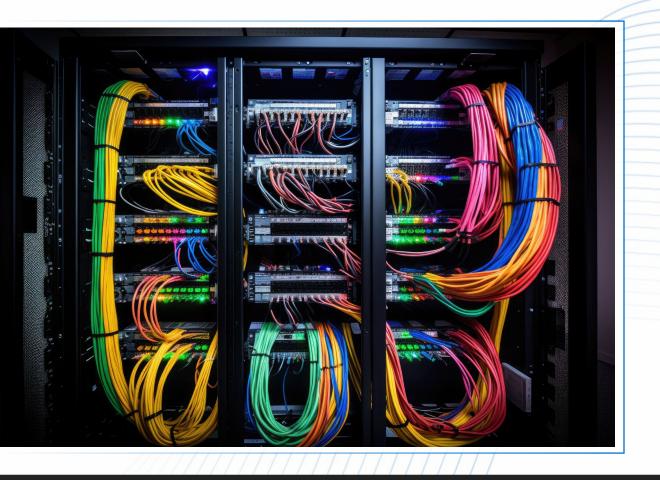
- ► Al scale up
- ► Rack-scale solutions



- ► Al scale up
- ► Rack-scale solutions
- Server modularization



- ► Al scale up
- ► Rack-scale solutions
- Server modularization
- Custom silicon and system



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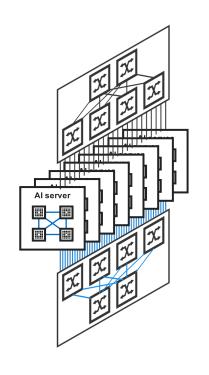
High-speed connectivity

PCIe/CXL, Ethernet, InfiniBand, UEC, UALink, proprietary...

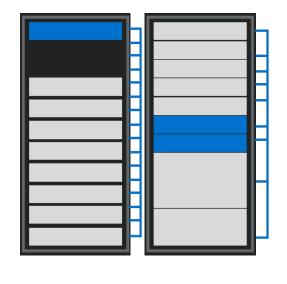
High-speed connectivity is the key enabler of Al evolution

PCIe enables every evolutionary step

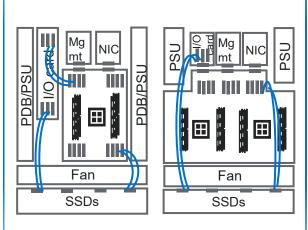
Al scale up



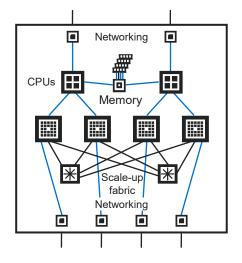
Rack-scale solutions



Server modularization

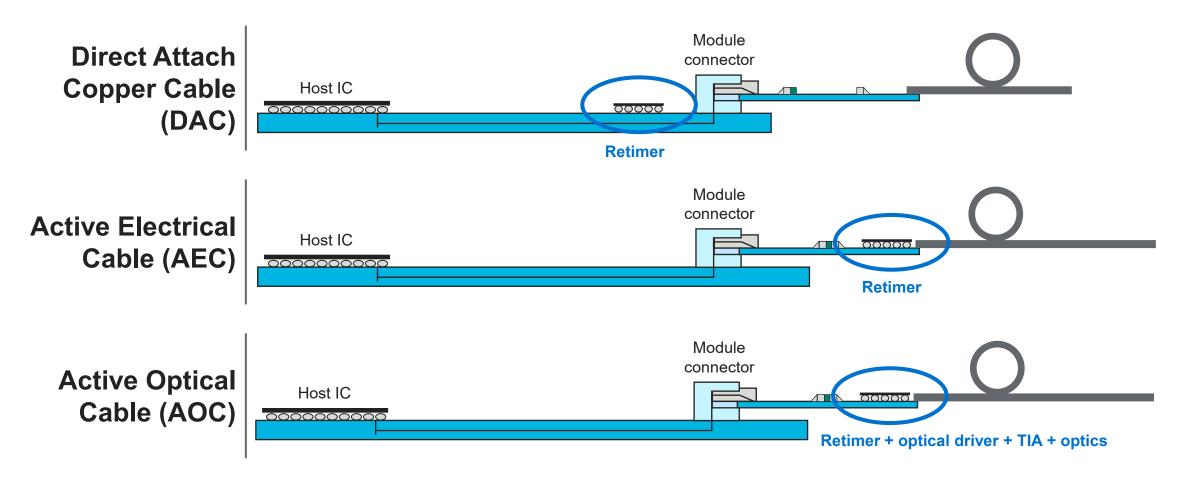


Custom silicon and system



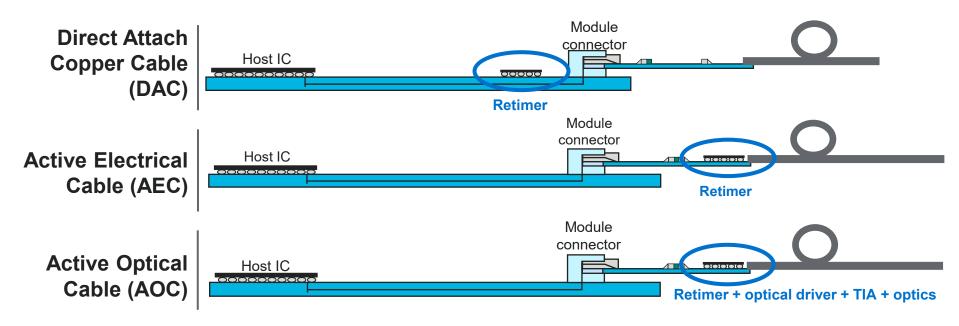
PCIe is the most widely adopted protocol for resource interconnect

Various cable types powered by PCIe retimer



Different cable types cover on-board, off-board and between-rack interconnect

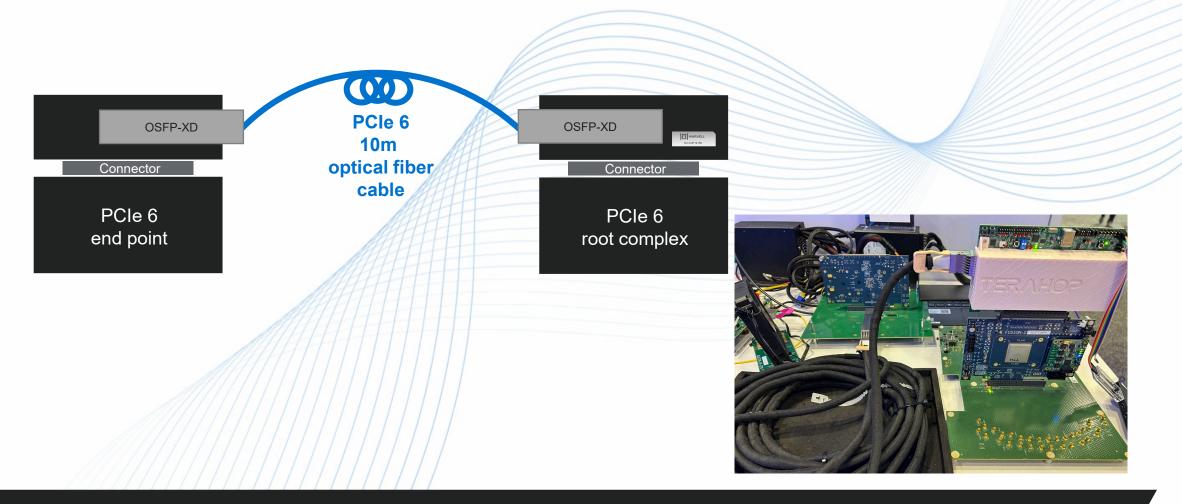
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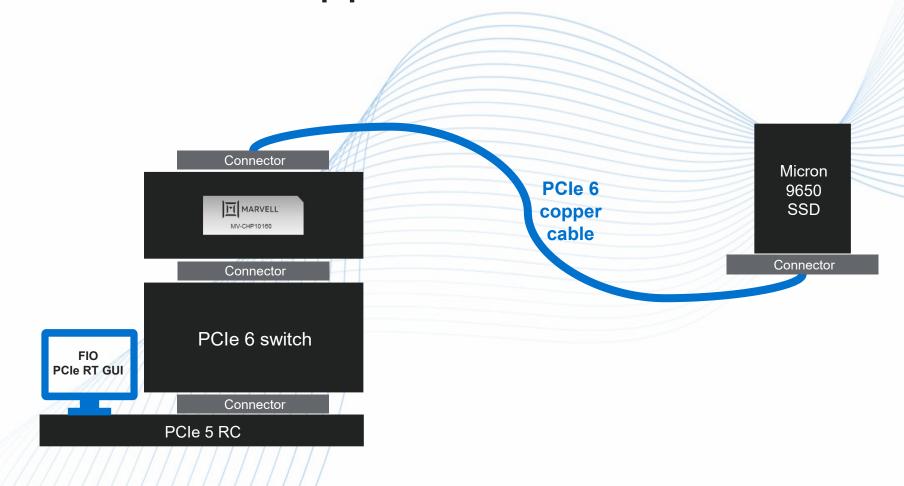
Different cable types cover on-board, off-board and between-rack interconnect

End-to-end PCIe 6 over AOC at OFC25



Industry's first end-to-end PCIe 6 over 10m optical cable

Live PCIe 6 over copper demo at FMS25



FMS Organization Pavilion PCI-SIG Kiosk 725B

Key takeaways

1 PCIe is open and pervasive

PCIe cabling enables various resource configurations

Retimers enable PCIe cable to address a wide range of media and distances

Stop by the FMS Organization Pavilion PCI-SIG kiosk 725B for live demo

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Thank You