



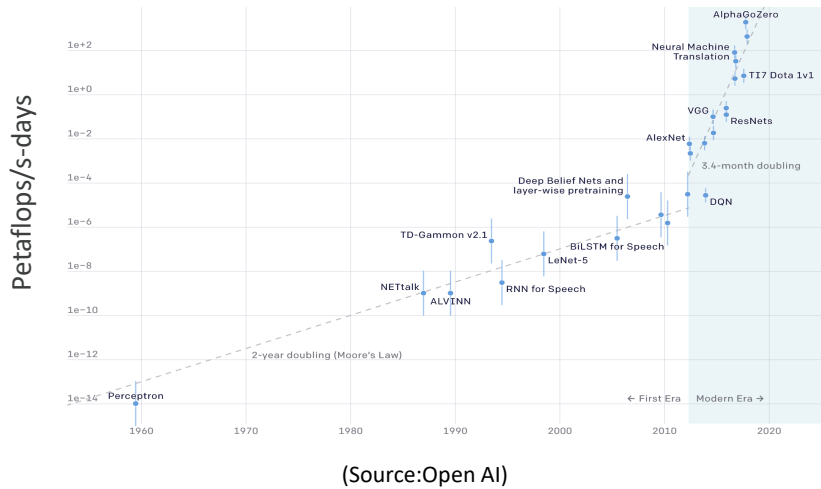
Leo Memory Connectivity Platform

Sandeep Dattaprasad, Senior Product Manager

Flash Memory Summit 2023

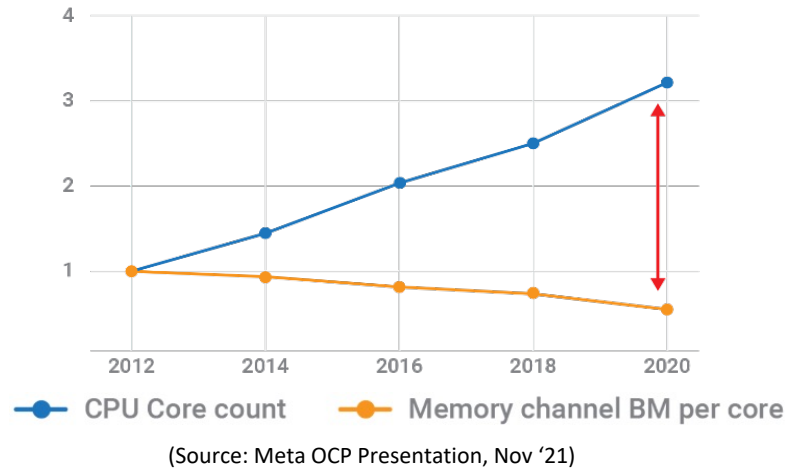
Customer Pain Points in Datacenters

AI/ML Model Complexity and Size Doubling every 3.5 months



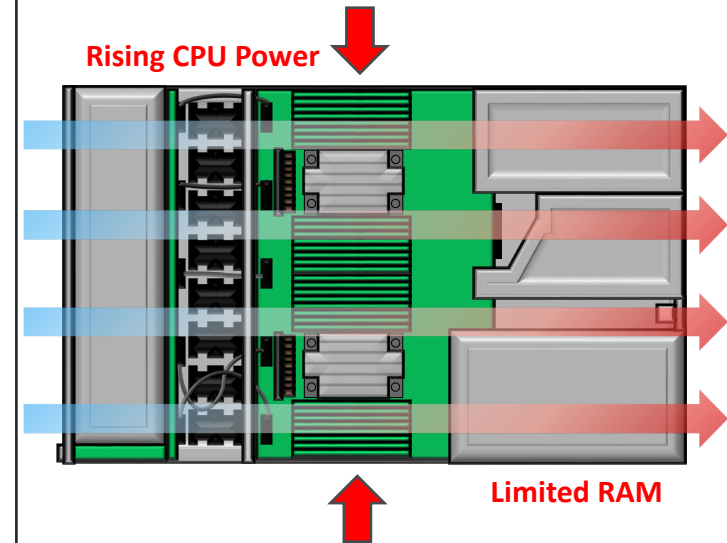
Computation and Memory Requirements are Outpacing Moore's Law

CPU & Memory Efficiency Cores vs Memory Bandwidth



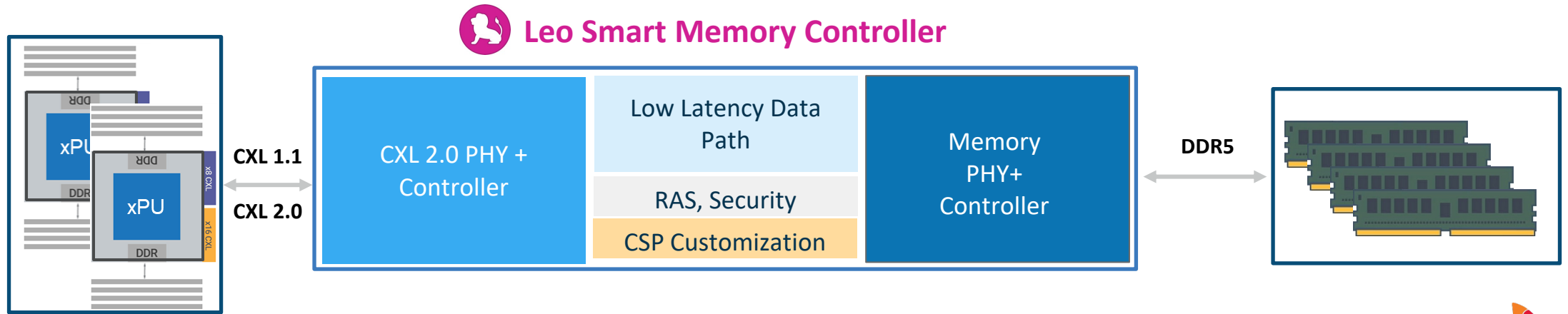
CPU & Memory Gap Continues to Widen

Thermal and Mechanical Constraints 32 DIMMs per Server



Memory Requirements and Bottlenecks Present Challenges at the HW and SW Level

Introducing Leo Memory Connectivity Platform for CXL



AMD intel arm

SAMSUNG Micron SK hynix

1
Purpose-built for AI/ML workloads in Cloud Servers

2
Server-grade Customizable RAS and Security features.

3
Flexible and Scalable Memory Interface with Low-latency Data Path

4
Seamless Interoperation with Major CPUs/GPUs and Memory DIMMs