

CXL: Transforming Cloud Infrastructure

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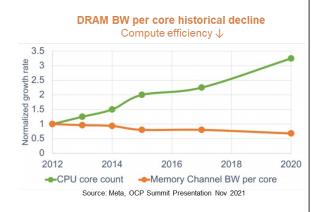


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Why does this matter to hyperscalers

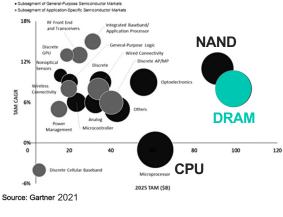
Fixes scaling challenges



CPU core growth outpaces bandwidth

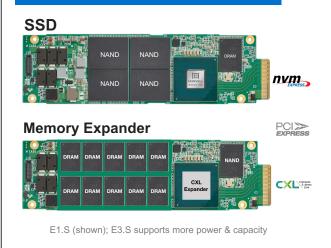
Maximizes utilization

Semiconductor Revenue Forecast by Device Type Through 2025



DRAM #1 spend

Enables SKU flexibility



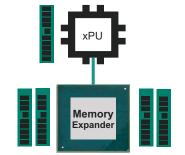
Pluggable, leverage & unify SSD FFs

DRAM key to unlocking TCO and Perf for emerging workloads

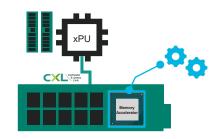
CXL use cases

Memory Expansion

- Scale performance and capacity
- Mix-and-match DRAM types
- Thermally optimized



Memory Acceleration

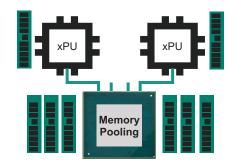


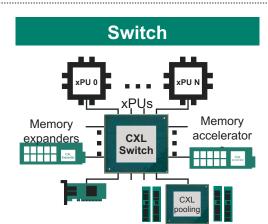
- Coherent, efficient
- Accelerate analytics, ML, etc.
- Improves efficiency & TCO

Memory Pooling

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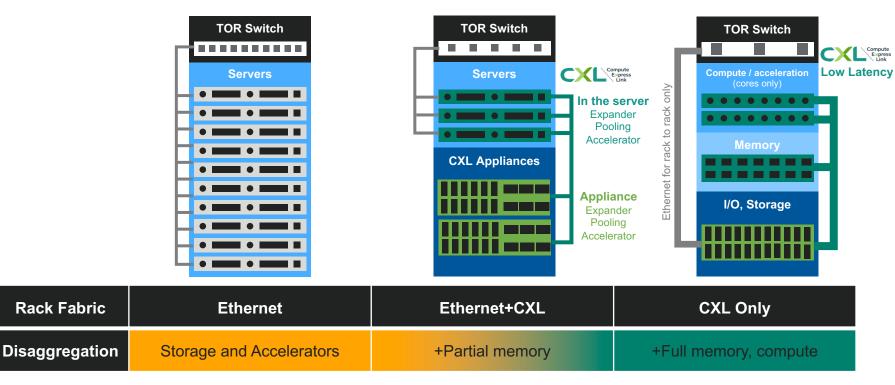
- Share memory across xPUs
- Improve utilization
- BW:cost optimized



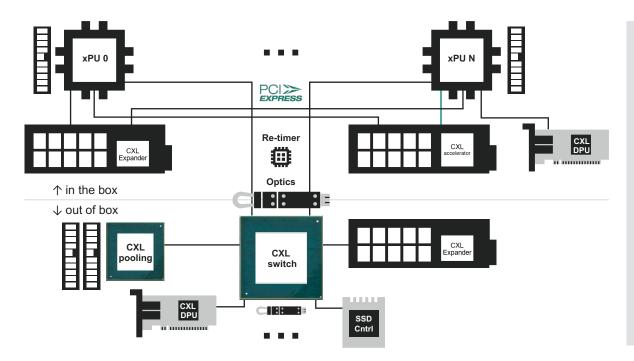


- Low-latency fabric
- Supports optics
- Enables full composability

CXL vision: optimal resource utilization



Comprehensive end-to-end CXL solutions



CXL use cases

- Expanders
- Pooling
- Switch
- Accelerators
- Electro-optics
- Re-timers
- Custom Compute
- DPUs / SmartNICs
- SSD Controllers

Built on industry's most comprehensive cloud portfolio



Thank You



Essential technology, done right[™]