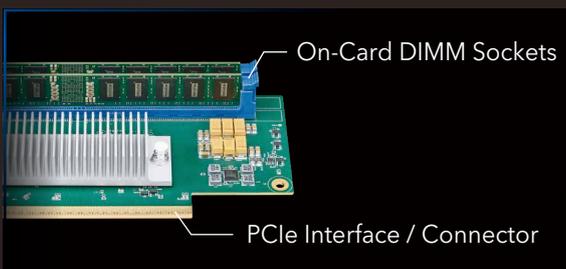5G

SCALABLE CXL MEMORY EXPANSION FOR EDGE AI SYSTEMS
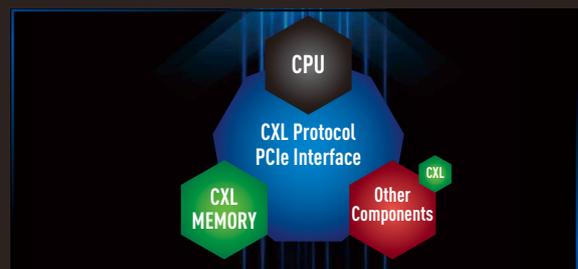
CXL ADD-IN CARD (CXL AIC)

Innodisk introduces a compact, industrial CXL Add-In Card as a cost-competitive solution for scalable edge memory. Designed for easy integration, CXL AIC enables instant memory capacity expansion through any available PCIe slot, unlocking greater headroom for edge AI workloads.

CXL AIC EXPAND MEMORY VIA PCIE

On-Card DIMM Sockets

PCIe Interface / Connector

CPU

CXL Protocol
PCIe Interface

CXL
MEMORY

Other
Components
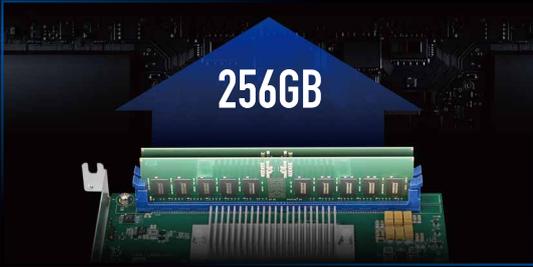
CXL

More Memory Capacity

Leverages standard PCIe interfaces and connectors to expand CPU-accessible memory without occupying system DIMM slots.
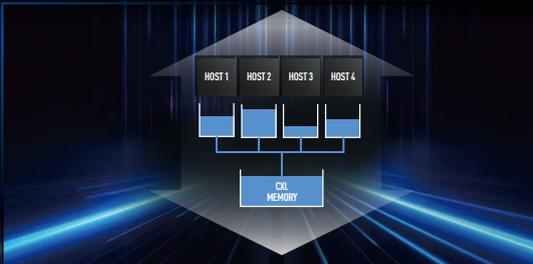
Less System Complexity

The unified interface simplifies protocol complexity and streamlines edge AI performance.

BENEFITS HIGHLIGHT

High Bandwidth and Scalable Memory Up to 256GB

Built on PCIe Gen 5 ×8, the CXL AIC delivers up to 32 GB/s of additional bandwidth and supports flexible memory scaling up to 256GB.

CXL 2.0 Memory Pooling For Dynamic Workloads

Supporting CXL.mem and CXL.io, the CXL AIC enables multi-host memory pooling, reduces system latency, and efficiently adapts to fluctuating memory demands.

Compact Design with Flexible Deployment Options

Compact HHHL form factor with an additional FHHL bracket for broad chassis compatibility; paired with Innodisk DDR5 RDIMM VLP for space-efficient, flexible layouts.

READY FOR DIVERSE WORKLOADS

5G Networking

High-Frequency Trading (HFT)

Micro Data Center

Smart Medical Imaging