



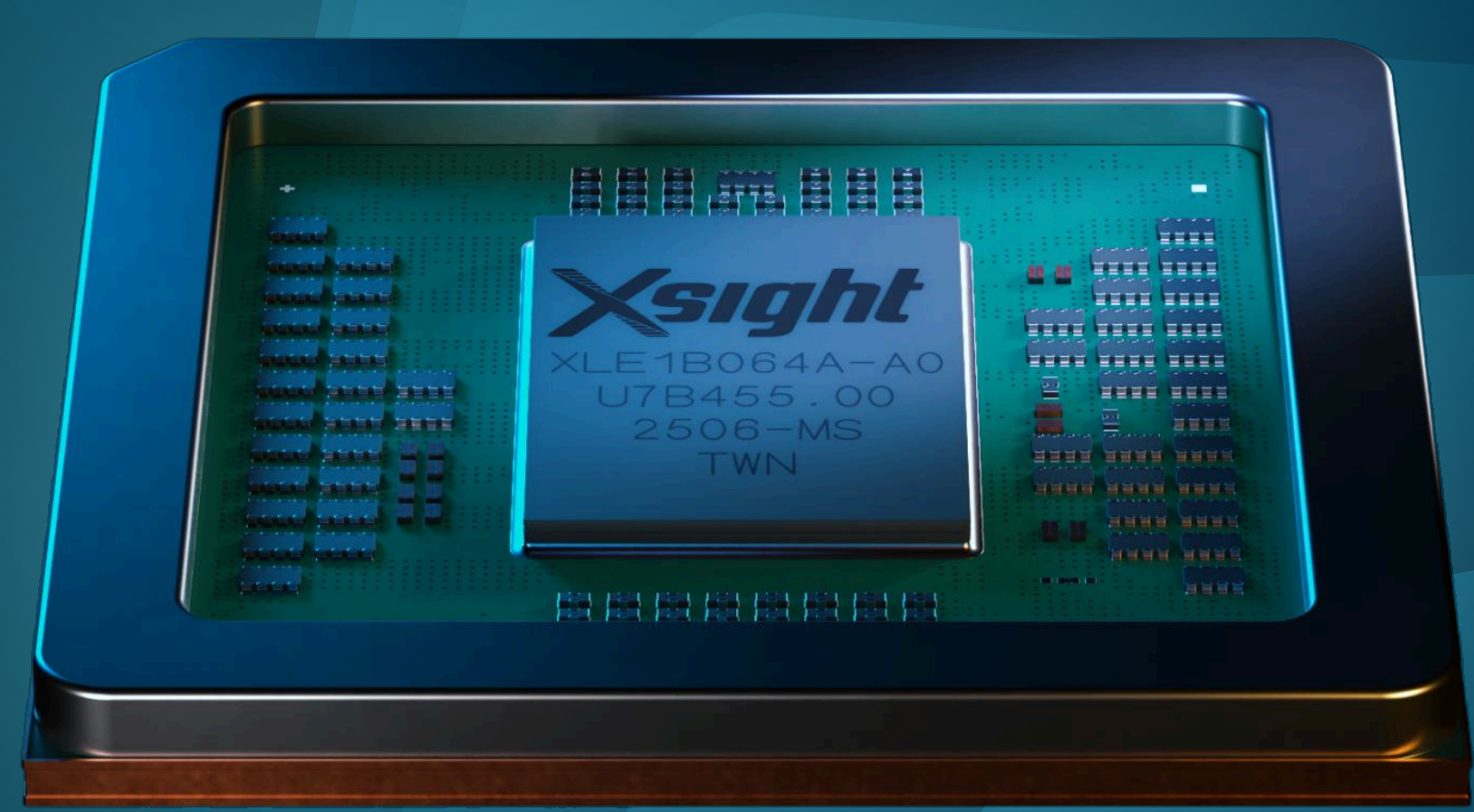
Smarter Infrastructure Build Without Boundaries

AI workloads are pushing traditional infrastructure to its limits.

From hyperscale cloud environments to edge and space deployments, DPUs are becoming a critical foundation for modern infrastructure.

What is a DPU?

Data Processing Units (DPUs) are specialized processors designed to handle data-centric tasks that would otherwise consume CPU resources. Commonly used as hardware accelerators in cloud infrastructure, AI systems, high-performance computing, and large-scale networking.



By offloading intensive data processing tasks, DPUs improve workload distribution and energy efficiency, allowing servers to run effectively with reduced power consumption.

Intelligent Traffic Routing

DPUs optimize data movement, ensuring infrastructure remains agile even as data volumes increase.



Efficiency & Power Savings

By offloading infrastructure services, DPUs improve server efficiency while reducing power consumption.

Where DPUs matter most

DPUs are especially important for AI training clusters, hyperscale cloud providers, zero-trust security systems, and software-defined networking, as they fill the infrastructure gap between CPUs and Graphics Processing Units (GPUs).

As AI and cloud workloads evolve, Xsight Lab's E1 DPU offloads networking, storage, and security to improve performance, efficiency, and scalability.

See how DPUs can transform your infrastructure and estimate your potential savings. Discover what's possible with the [E1 TCO Calculator](#).