

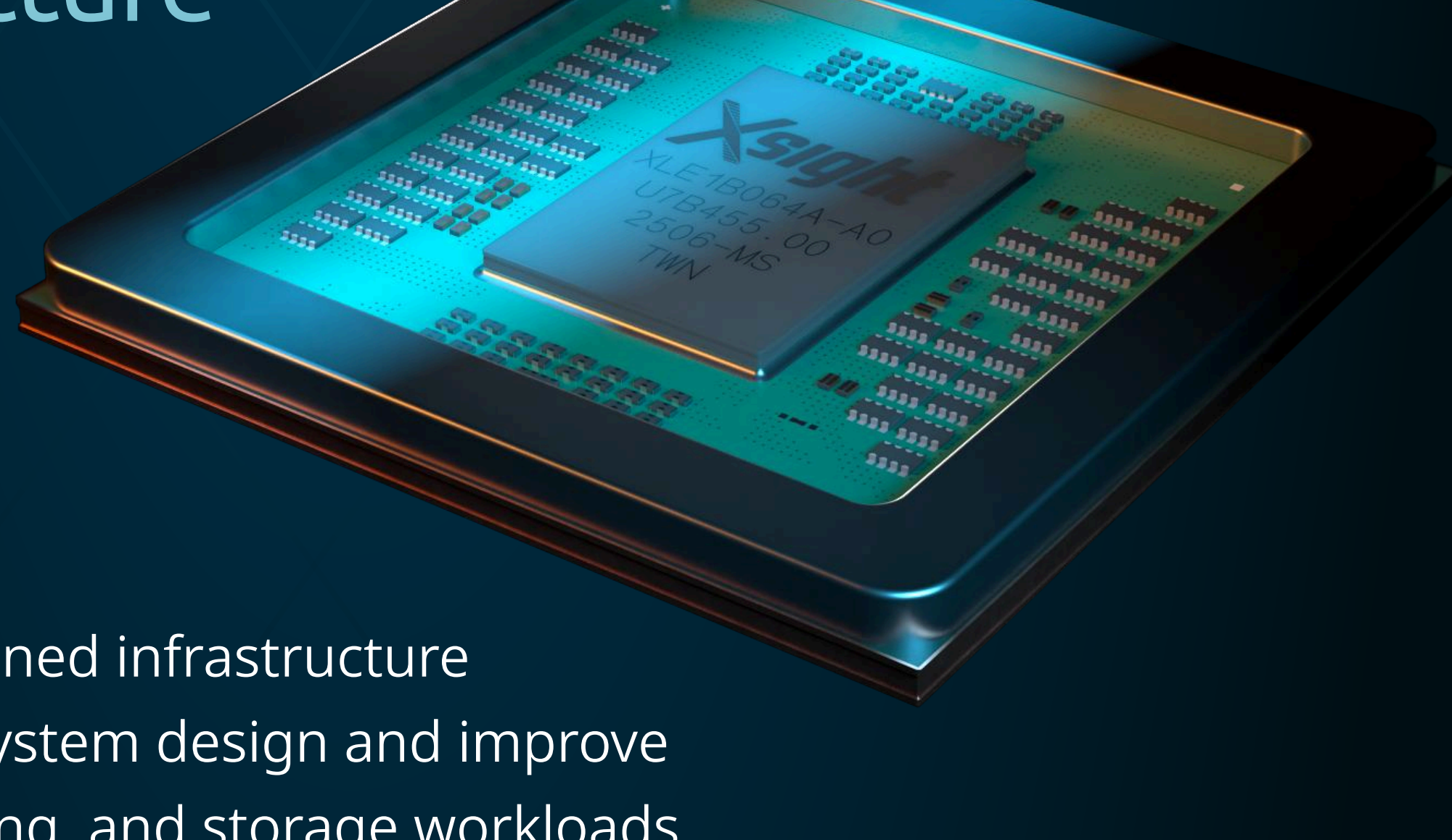


# Xsight's E1

## The World's First 800G Data Processing Unit

Empower Next-Generation Infrastructure through Open, Software-Defined Architecture.

### Built for Modern Infrastructure



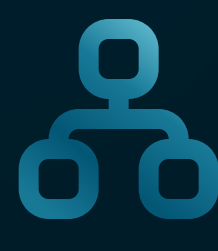
Xsight's E1 is a fully software-defined infrastructure processor designed to simplify system design and improve performance across AI, networking, and storage workloads.

### A Unified Infrastructure

Bring core infrastructure functions together with Xsight's E1.



Converge compute, storage, and networking to simplify and scale your infrastructure



Accelerate innovation and efficiency with easily programmable, software-defined silicon built for rapid development



On-path CPU fabric processes all packets for maximum performance

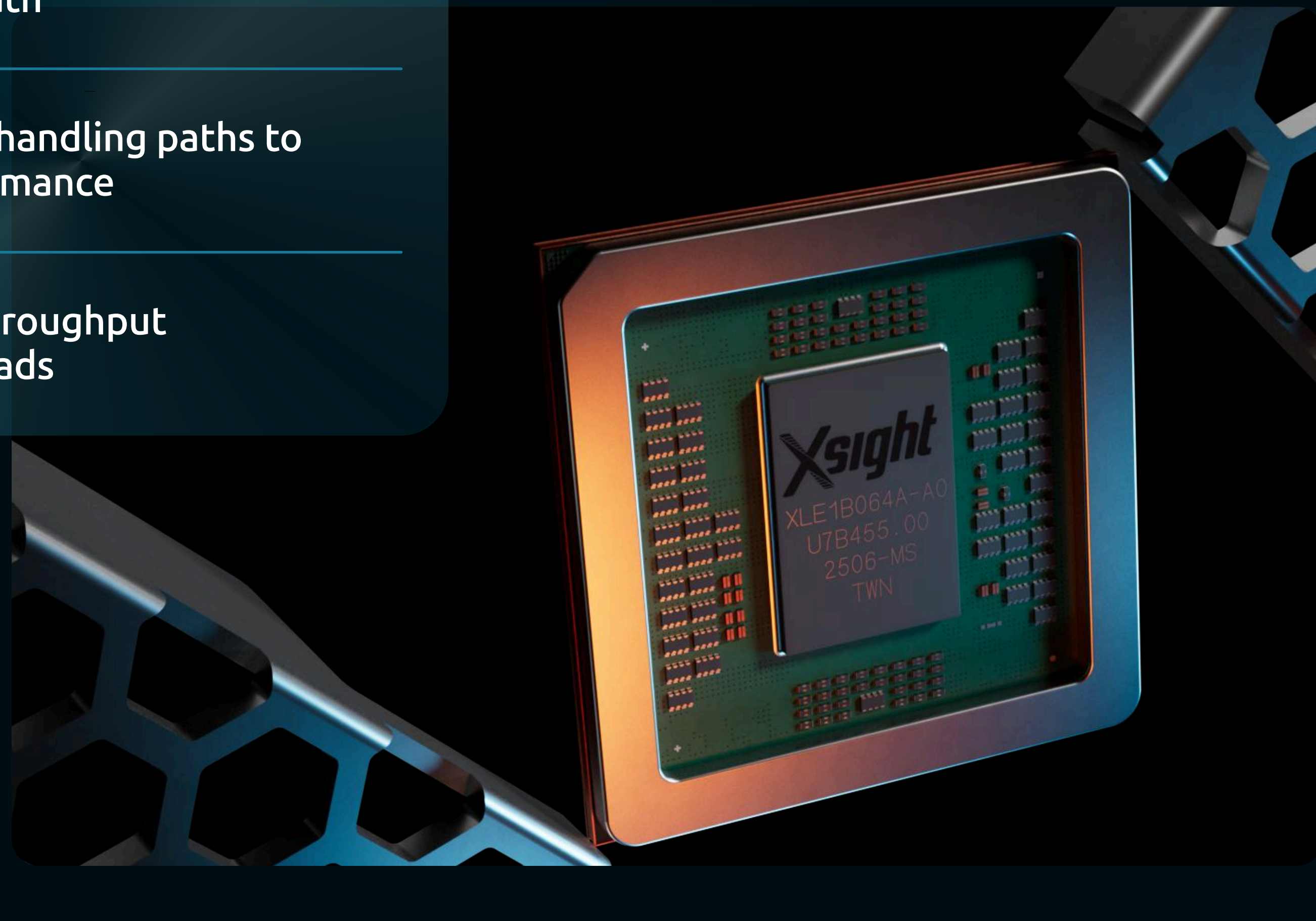
### Designed for Consistent Throughput

Processing stays efficient under load.

All 64 Arm cores operate directly on the data path

No exception handling paths to disrupt performance

Predictable throughput across workloads



### Performance Where it Matters

Throughput without unnecessary overheads.



Up to 800 Gbps of networking bandwidth



Line-rate processing for networking, crypto and storage



Optimised for sustained, real-world workloads

### Efficiency by Design

Performance delivered with a lower power footprint.



70W Typical Power\*



Improved performance per watt compared to traditional approaches

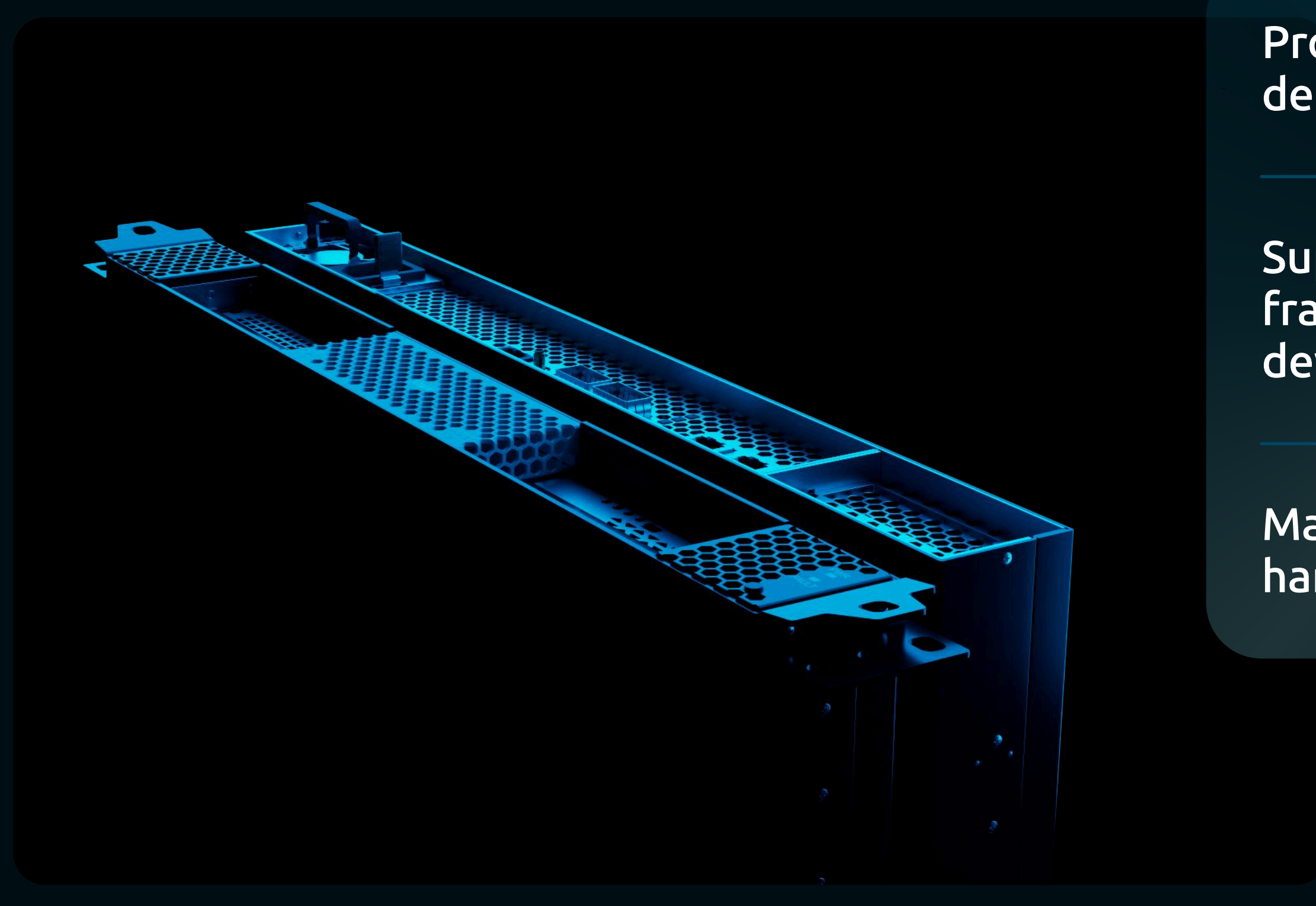


Designed to support lower overall infrastructure costs

\*Typical silicon, nominal voltage, 60C Tj, using Dhrystone workload.

### Software-Defined Control

Adapt and extend functionality through software.



Programmable, software-defined architecture

Support for standard frameworks and development models

Made to evolve without hardware redesign

### Built for Real Deployments

A flexible foundation for advanced infrastructure use cases.



Distributed services and smart switching



Storage gateways and computational storage



Security processing and edge AI systems

### A Single Platform, Designed to Reduce Compromise

Built on open standards and widely adopted frameworks, enabling flexibility as requirements evolve.

## Xsight's E1

Converged Infrastructure, Software-Defined by Design.

