Overview

The Penguin Computing® Tundra® Extreme Scale platform is ideally suited for scaling out product-quality artificial intelligence (AI) inference and training.

Thanks to the combination of support for a wide variety of the latest AI technology, including the NVIDIA® T4, with Open Compute Project (OCP) value, the Tundra system has already been deployed on rigorous AI projects in heterogeneous environments.

The Tundra ES is the compute portion of a balanced AI system that includes high-speed networking and software-defined storage, custom tailored to the needs of each customer.

This design innovation was created by the Penguin Computing AI Practice, which has designed, managed, and hosted some of the largest AI clusters in the world. This experience is coupled with deep knowledge of OCP, which we’ve been involved with since the inception of the OCP movement.

Features & Benefits

• Supports an exceptionally diverse array of computing architectures, including the NVIDIA® T4 with Turing Tensor Cores for inference

• 50% more compute nodes than a 2U4N EIA server and high-density GPU solutions

• Comes with the latest AMD EPYC™ processors or Intel® Xeon® Scalable processors, high-speed software-defined networking (SDN), and localized storage for flexibility and performance
**Compute Technology Options**
The Tundra platform supports the widest variety of central processing unit (CPU) and GPU options to ensure your environment is tailored to your needs. Choose from:

- Intel® Xeon® Scalable processor
- AMD EPYC™ processor
- AMD Radeon™ Instinct accelerator
- NVIDIA® Tesla® V100
- NVIDIA® Tesla® T4

**Networking Technology Options**
The Tundra platform supports multiple networking options to ensure your system operates at scale, while minimizing bottlenecks and maximizing results. Choose from:

- The Penguin Computing® Arctica® Ethernet switch
- Mellanox® InfiniBand fabric
- Intel® Omni-Path Architecture (OPA)

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**Learn More**
Customize your Tundra design at [www.penguincomputing.com/tundra](http://www.penguincomputing.com/tundra). For pricing on your specific configuration, contact a representative by email at sales@penguincomputing.com or call 1-888-PENGUIN (736-4846).

**The Penguin Computing AI Practice**
With expertise built from years of working on some of the largest AI clusters in the world, the Penguin Computing AI Practice can help you design, build, support, manage – even host – your customized AI system. Learn more at [www.penguincomputing.com/ai-practice](http://www.penguincomputing.com/ai-practice).

**Purchase with Financing**
Finance products, services, even soft costs, with Penguin Computing Capital. Choose from options such as no money down, flexible billing choices, extended repayment timelines, and a variety of end-of-term alternatives.

**About Penguin Computing**
For 20 years, the Penguin Computing team of artificial intelligence (AI), engineering, and computer science experts has reimagined how startups, Fortune 500, government, and academic organizations solve complex technology challenges and achieve their organizational goals. We specialize in computing infrastructure based on open platforms, including the Open Compute Project (OCP). Our focus is leading-edge design and implementation of innovative high-performance computing (HPC) on-premise and in the cloud, AI, storage, and networking technologies coupled with hosting, professional, and managed services (including sys-admin and storage-as-a-service) and highly rated customer support. Visit us at [www.penguincomputing.com](http://www.penguincomputing.com).