EDGE IMPULSE

Build. Train. Optimize. AI for the Edge

Edge Impulse is a software platform that simplifies the development of ML models that are optimized for the edge, where data is collected, with or without connectivity. Build datasets, train models, and optimize libraries to run on any edge device, from extremely low-power MCUs to efficient Linux CPU targets to powerful GPUs.

Edge Impulse empowers ML teams to run AI at peak performance on any edge hardware, with unmatched ease and speed.

Any data, any device

Edge Impulse developers can get data from various sources, including sensor hardware, public datasets, and synthetic data.

- Unlock sensor data value
- Advance algorithm development
- Optimize edge AI models
- Target agnostic edge deployment

Easily integrate with existing ML workflows

Collaborate across your data, ML, and embedded teams to build optimized production-ready models faster.

Achieve measurable results

Future-proof your products. Our customers win by adding edge intelligence to their products, from low-power wearables to industrial gateways.

Build with the world's top hardware, sensors, and cloud platforms

Benefit from built-in integrations with our leading partner ecosystem including cloud services, data science tools, MCUs to MPUs and GPUs, sensors, and digital twin platforms.

Learn more at **edgeimpulse.com**

Edge Impulse Optimized NVIDIA AI for the Edge

Reduce BOM costs and time-to-market

Edge AI demands fast training, high quality custom datasets, and model architectures that perform on edge hardware.

With Edge Impulse and NVIDIA, get a comprehensive suite of integrated tools, including NVIDIA TAO models, NVIDIA Omniverse synthetic data and testing environments, and NVIDIA production-ready hardware.

Empower your innovation teams to build transformative edge AI products using the Edge Impulse platform.

NVIDIA TAO

Leverage pre-trained models from NVIDIA TAO and transfer the power of GPUs to any device, including MCUs and MPUs.

NVIDIA OMNIVERSE

Synthetic data and testing environments enable robust models with faster results.

PRODUCTION-READY HARDWARE

Low-volume edge AI development is now possible on NVIDIA powered production-ready hardware.

Learn more at **edgeimpulse.com**