

Our platform enables AutoML for resource-constrained systems such as microcontrollers and embedded hardware. It automatically analyzes your input data, performs multimodal auto-labeling, and generates multiple AI models.

These models are then optimized, quantized, and prepared for deployment on Edge devices. Integrated evaluation kits collect data directly from target systems, while the platform provides comprehensive reports with model metrics, energy forecasts, and hardware recommendations. Updatable model libraries are available for download to accelerate development.

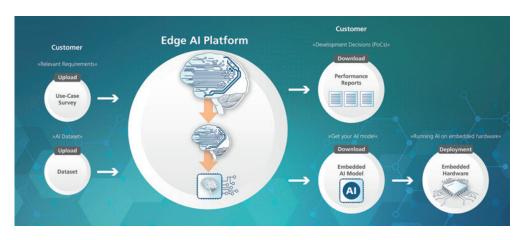
With a simple data upload, you receive a deployment-ready Edge AI model optimized specifically for your MCU.

Customer Benefits

- Reduce time-to-deploy with ready-to-run Edge AI models
- No model generation or labeling overhead
- streamlined end-to-end AutoML without needing expert knowledge in Edge AI
- Actionable reports with hardware recommendations to accelerate decisions

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Workflow in the Edge AI platform: customers upload use-case requirements and a dataset; the platform processes them and provides performance reports as well as an embedded AI model for download. © Fraunhofer IIS



System Advantages

- Hardware-aware optimization: quantization and model compression
- Measurable energy and memory forecasts per model
- Integrated eval kits capture real-world data on target sites

Application Fields

- Predictive maintenance for industrial assets
- Smart city & environmental monitoring
- Wearables and health-monitoring devices
- Energy-efficient Edge AI for low-power IoT

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