Arrow Edge AI Solution Accelerator

Powered by the latest hardware and software technologies including Microsoft Azure EFLOW (Azure IoT Edge for Linux on Windows), Intel® OpenVINO™, and Intel® 11th generation core processors.

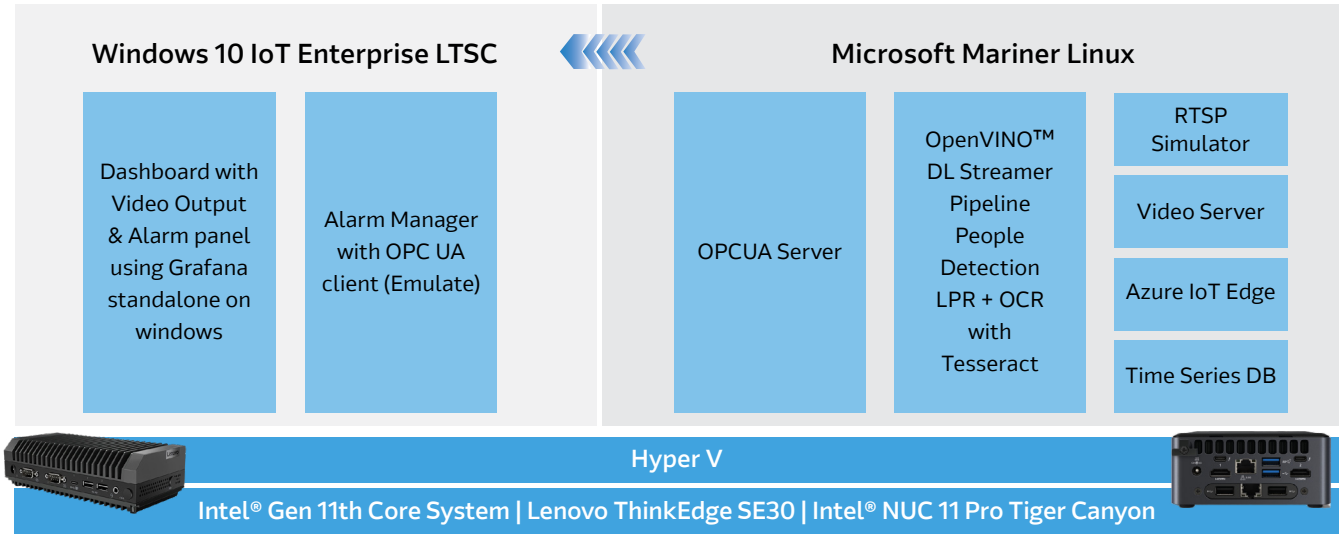
Arrow Edge AI Solution Accelerator is a fully integrated edge-to-cloud reference solution that provides the ideal starting point to customize and fast track deployment of edge AI vision applications. The solution uses Microsoft EFLOW and Intel® OpenVINO™ technologies to run modern AI workloads in Linux on Windows with integrated graphics acceleration, lowering the total cost of ownership. Microsoft EFLOW & Intel® OpenVINO™ are complemented with industry-standard components to deliver AI in production. Validated hardware includes Lenovo ThinkEdge SE30 and 11th generation Intel® NUC computers.

The offering includes a demo showcasing how vision AI can be used to optimize operations, increase visibility, and enhance worker safety. The demo runs Linux AI with Windows application and efficiently distributes workloads between Windows and Linux. Documentation, code, and step-by-step developer video training are available on GitHub.

The code provided can be adapted for other vision applications. Use cases include vision AI applications for retail, industrial, smart cities, buildings, healthcare, and transportation.

Reduce hundreds of hours of vision product development with the Arrow Edge AI Solution accelerator. The Solution Accelerator includes a Vision-AI based demo and code, scalable AI models, step-by-step developer training guide and a comprehensive GitHub repository.

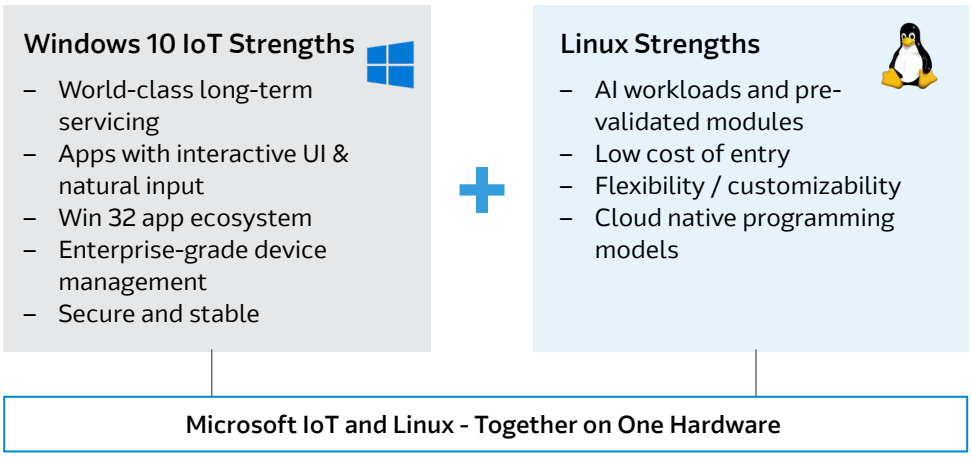
Solution Architecture for the Arrow Edge AI Solution Accelerator Platform



Build Innovative Vision Applications with the Best of Windows and Linux, together on a Single Hardware Platform

Vision-AI product developers no longer need to choose between Windows or Linux – designers can now leverage the best of both platforms. Azure IoT Edge for Linux on Windows (EFLOW) allows you to run containerized Linux workloads alongside Windows applications in Windows IoT deployments. Businesses that rely on Windows IoT to power their edge devices can now take advantage of the cloud-native analytics solutions being built in Linux. This opens a world of capabilities for commercial IoT as well as AI/ML with the availability of pre-built modules. Developers may also choose to implement their own custom modules using a Linux distribution of choice to address specific business requirements.

Running Linux modules on Windows 10 IoT Enterprise offers the advantages of both Windows IoT and Linux while accelerating new product development and enabling new possibilities.



Benefits of using Microsoft EFLOW Include:

- **Linux and Window** – Efficiently distribute workloads between Windows and Linux
- **Easy to manage** – Keep Windows, Linux, and Azure IoT Edge up-to-date with a single source of support and information
- **Expand your user base** – Deploy Linux workloads to millions of existing Windows Devices
- **Azure ready** – Easy deployment of cloud native workloads to the edge, and simplified development with cloud-native programming models and dev tools

Save 100s of hours of development time with the Arrow Edge AI Accelerator. Contact Arrow at msembedded@arrow.com to learn how you can request a demo or get access to the GitHub repository.

In partnership with:

intel. Microsoft OpenVINO™

Via Email
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Online
arrow.com/ais/msembedded/products-and-offerings/azure-eflow

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