

hitex

Building a Safe and Secure Embedded World

Hitex Showcase Technical Focus

Driven by a belief in the benefits of technology to improve the world for all. With engineering services, development tools, and a broad range of embedded compute modules. We have experience in all commercial sectors from infrastructure and industrial, to automotive and aerospace. Hitex provides solutions to build a safe and secure embedded World.

Showcasing innovative demonstrations, we invite you to explore an integrated, production ready vision platform capable of reducing development time by up to 70%! Interact with a low-cost edge device for local inference on sound and vision, eliminating remote cloud processing, reducing time and data costs whilst simultaneously providing a rigorous security model.

Or experience a true edge-to-end user IoT platform; intelligent, optimised and tailored for your custom application, secure by design and offering a path to CRA compliance with support throughout the product lifecycle.



Exhibition Overview

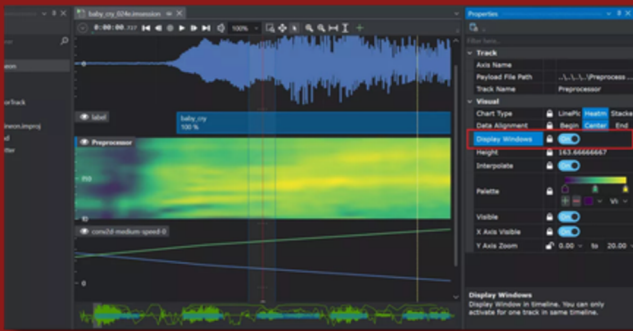
- Edge ML - Audio & Visual
- Vision Integration Platform
- Tailored IoT Solutions

Whatever your application, take control of your data

From connected Industrial Machine Controllers to Smart Building and Transport applications, the Hitex Edge IoT Platform offers Edge Processing to Cloud-based data storage and End User dashboard design. Delivering intelligence to provide system control, optimisation, analytics, predictive maintenance, geolocation and remote operations tailored to your business wherever your team or assets may be.

Edge ML - Real-Time Facial Recognition On Low Power Microcontrollers

Experience a complete facial recognition solution powered by the Infineon PSOC Edge E84 MCU. Using a USB camera and MIPI DSI display, the demo supports both face enrolment and recognition. Real-time detection is accelerated by the Cortex®-M33 with NN Lite NPU and Cortex-M55 with Ethos-U NPU. The application uses a YOLOv5 Nano object detection model developed and trained using the Infineon DEEPCRAFT ML Design Studio.



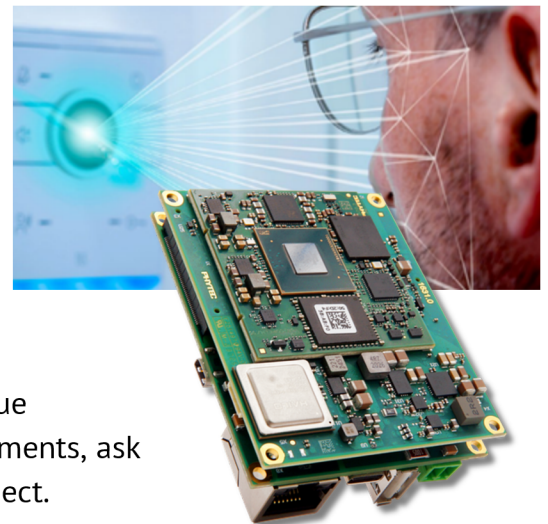
Helping our customers to put their Edge AI applications into production. Hitex engineering services, can support you in developing and training models for deployment on low-power microcontrollers to enhance edge processing with minimal processing overheads.

PhyVIP Vision Integration Platform Embedded Boards & Modules

The compact SBC combines a phytec FPSC module with Arm processor, camera connection, security functions, and industrial interfaces in a ready-to-use design. An expansion board delivers custom connectivity. Accelerating development, reducing risks, and creating maximum design freedom.

Configured with either an NXP i.MX 8M Plus or i.MX 95 processor PhyVIP is optionally available with a Hailo-8 or Kinara ARA-2 AI accelerators. An integrated Linux BSP with functional drivers, gets you off to a quick start.

Hitex have a broad range of System-on-Modules (SoMs) and years of experience implementing them in a range of applications, adding value and reducing time to market for your product. Whatever your requirements, ask how we can help remove the barriers to starting and deliver your project.



Hitex Products & Services

- Hardware & Software Engineering
- Embedded Development Tools
- System-on-Modules
- Training & Consultancy

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