MICROIP

MICROIP focuses on providing integrated circuit (IC) design services and chip performance analysis.

We specialize in high-performance, low-power chip design, leveraging patented technologies to offer innovative, customized solutions for industries such as Artificial Intelligence (AI), Internet of Things (IoT), industrial automation, service robots, automotive electronics, and power management.

The company has pioneered its unique "Designless" model, enabling clients to engage in customized chip design without requiring deep semiconductor knowledge, thereby lowering the barriers and resources needed for design.

CAPS

Cross-Platform AI Powered Solutions

An AI platform optimizing AIoT chip performance with seamless cross-platform adaptability.

Automotive | **Retail** | **Industrial Automation** | **Security**

AI DESIGN SERVICE

AI Algorithm Implementation

- Provide AI algorithms from Caffe, TensorFlow, and PyTorch prototype model
- Quantization and Optimization of AI Model into any AI SoC for inference and deployment
- Specifically designed for MediaTek Genio Family (MediaTek Genio 510/700/1200)

AI Algorithm / Model Optimization

- Optimize group/layer operators in AI models
- Apply to object detection, classification, defect detection, facial recognition and object tracking
- Tailored AI solutions based on customer system requirements

One-Stop AI service

- Project feasibility study
- Dataset labeling
- AI model training
- AI model deployment
- Customized design for AI + IoT + System

Functionality & System Integration

- Provide AI functionality as per customer's needs
- Integrate AIoT systems based on customer requirements
- System integration with customer-provided target board