

Logiicdev customizable Solution



Core Performance

- Provides up to 40 TOPS AI processing power
- Supports PCIe
- Supports Cloud Platform & remote management
- As per requirement Pre-trained AI Models available
- Complies with EN61000-4-2 (ESD)

SPECIFICATIONS

Module Name	KiiGen
Form Factor	SOM and Carrier Board
Memory	4GB LPDDR4 on SOM
Storage	SSD 250GB , Micro SD
Display Interface	1 xHDMI
Ethernet	1 x RJ45 GbE LAN
I/O	4 x USB 3.1 Gen 1 1 x 15pin GPIO Extension 1 x USB Type-C 1 x Power Button 1 x Reset Button 1 x UART 2 x CANbus
Expansion	AI Accelerator 2 to 40 Tops (Internal) 5G Module (External)
Power Requirement	12V +/-5% DC Power supply (12V, 1.47A)
Environmental Standard	IEC 60068-2-64
OS Support	Linux
Temperature	Operation :S/T0°C ~ 70°C (Ta); W/T -40°C ~ 85°C (Ta)
Vibration/Shock	IEC 60068-2-64, IEC 60068-2-27
Warranty	3 years

KiiGen provides extensive software support for seamless integration into robotics and industrial environments:

- ROS / ROS 2 Support
- OPC UA
- GenICam-based Interfaces
- REST APIs, gRPC

Application Domains:

- Industrial Automation
- Robotics
- Manufacturing
- Large Industrial Plants

Key Features:

- No Vendor Lock-in
- Retrofit Ready
- Fully Customizable

Contact Us

dvk@logiicdev.eu
contact@logiicdev.eu



Summary

The KiiGen platform provides a robust and customizable solution for integrating advanced AI and machine capabilities into existing industrial systems. Its FPGA-accelerated architecture ensures real-time performance, while its open software ecosystem facilitates seamless integration and deployment. This datasheet details the system specifications, capabilities, and application domains.

Document Notes: Specs subject to change, custom variants and I/O available upon request.

<https://logiicdev.com/>