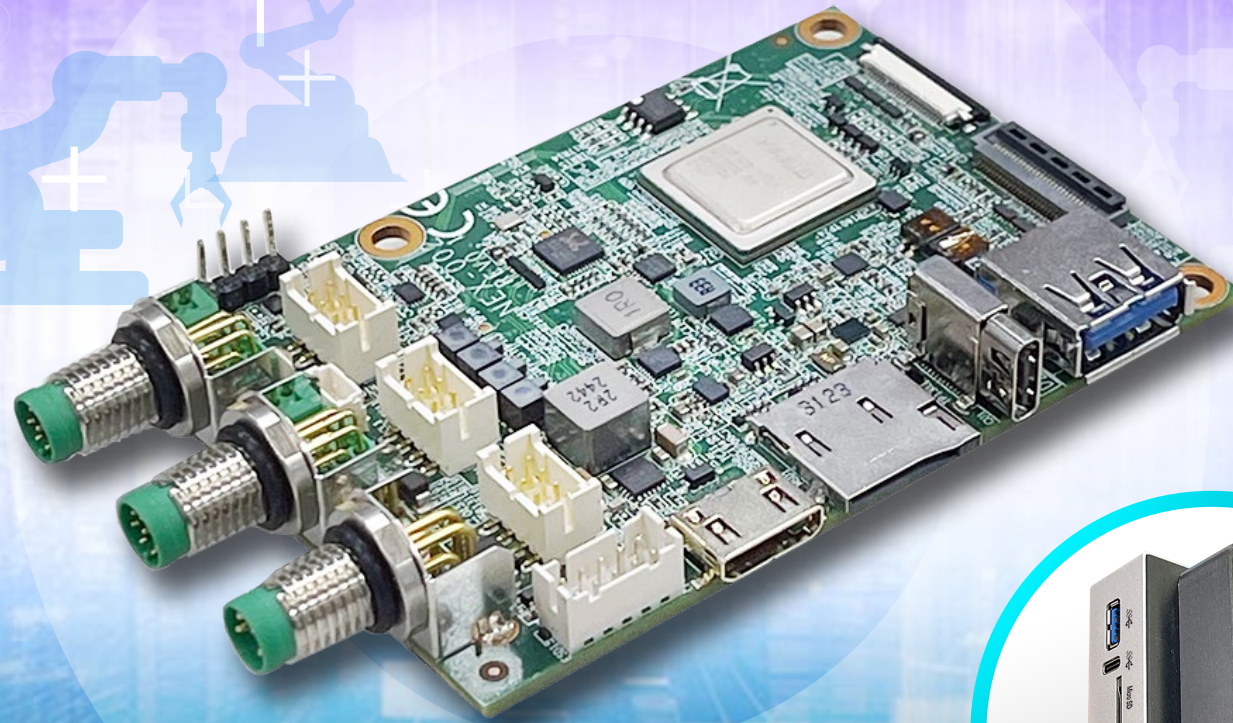# NXP-HAI02

Simplify Edge AI development process with NXP i.MX8M + Hailo-8™ platform

NXP
i.MX8M Plus
ARM CORTEX 4x A53 + M7

EMPOWERED BY **HAILO**

Lex SYSTEM®
www.lex.com.tw

NXP-HAI02

i.MX8M Plus
ARM CORTEX 4x A53 + M7

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HAILO

Simplify Edge AI development process with NXP i.MX8M + Hailo-8™ platform

The LEX SYSTEM NXP-HAI02 redefines embedded computing with the NXP i.MX 8M Plus and Hailo-8™ AI processors, delivering up to 26 TOPS of AI performance for edge applications. It features Mini HDMI®, 8 GB LPDDR 4 memory, 32 – 256GB eMMC , Micro SD, and dual MIPI-CSI for camera input. Equipped with industrial-grade I/O interfaces, including1 x GbE LAN (M8 I/O), USB 3.0, and 1 x RS232 (M8 I/O), along with a wide 9–24V power input (M8 I/O).NXP-HAI02's modular architecture, streamlines the development process, reduces time-to-market, and optimizes costs. Built to excel in demanding environments, the NXP-HAI02 is the ultimate solution for applications requiring reliable and high-performance edge computing, such as object detection, image recognition, and predictive maintenance.
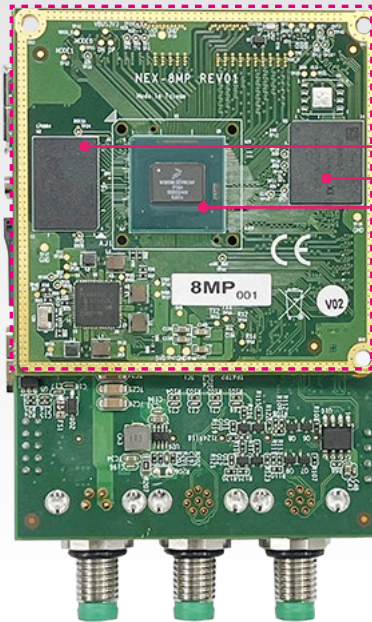
NXP-HAI02-Bottom

LPDDR4 8GB
eMMC 32~256GB
CPU

i.MX8M Plus
ARM CORTEX 4x A53 + M7

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HAILO

60 x 86 mm

NXP-HAI02

Simplify Edge AI development process with Ultra Compact NXP i.MX8M and Hailo-8™ platform

- NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz
- LPDDR4, 8GB
- 32GB eMMC 5.1, option 64 / 128 / 256GB ; 1 x Micro SD
- Onboard Hailo-8™ AI processor ; 2 x MIPI – CSI
- 1 x Mini HDMI® ; 1 x GbE (M8 I/O) ; 1 x USB 3.0 Type A,
- 1 x USB 3.0 Type C ; 1 x RS485 (M8 I/O); 2DI / 2DO

Data Sheet

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About LEX Comptech

Established in 1990, LEX Computech is an industrial computer manufacturer, provides LEX SYSTEM embedded solutions include designing and manufacturing of industrial motherboards, fanless embedded systems, rugged panel PC, in-vehicle fanless PC, network appliances, machine vision and automation controllers & IoT related solutions.

LEX SYSTEM's R&D team consisted with electronics, layout, system, mechanical, BIOS, firmware as well as software engineers, plus with experienced project management, in-house manufacturing and after sales service provides ODM /OEM customized products for various application-oriented projects.

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