

# MINI-NXP HAI02

Ultra Compact Edge AI System with NXP i.MX8M + Hailo-8™ platform



## Features:

- NXP i.MX8M Plus (Quad core) ARM Cortex-A53
- processor up to 1.8 GHz (NEX-8MP)
- LPDDR4, 8GB (NEX-8MP)
- 32GB eMMC 5.1 (NEX-8MP)
- Mini HDMI® ; 1 x GbE ; 1 x USB 3.0 Type A, 1 x USB 3.0 Type C
- 1 x Micro SD, 1 x RS485, 2 DI / 2DO
- M8 Connector: DC Power, LAN, DI/DO RS485

## Specifications :

Model name	MINI-NXP HAI02	
CPU	NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz (NEX-8MP)	
GPU	Vivante GC700UL GPU (NEX-8MP)	
AI Accelerator	Onboard Hailo-8™ AI processor	
Memory	LPDDR4, 8GB (NEX-8MP)	
Storage	32GB eMMC 5.1 (NEX-8MP), option 128/256GB 1 x Micro SD	
Expansion slot	Network	1 x GbE (M8 110)
I/O ports	USB	1 x USB 3.0 Type A, 1 x USB 3.0 Type C
	Serial ports	1 x RS485 + 2DI/2DO (M8 110)
	Display	1 x Mini HDMI®

## Mechanical

Dimensions 66W x 94D x 30.8H mm

Weight 279g

## Power

DC input Wide Range DC-IN 9 -24V

## Environment

Operating Temp. (100 % CPU usage) -40°C to +70°C

Storage Temp. -20°C to +70°C

Relative Humidity 95% @ 40°C, non-condensing

## ODM with Camera :



## Camera Information (option)

CMOS Sensor onsemi AR0821  
Maximum Frame Rate (YUY2) 1920 x 1080 @ 60 fps  
1280 x 720 @ 60 fps  
640 x 480 @ 60 fps

OutputFormat YUV2  
Input Clock Range 48 MHz

## Interface

Module Data Transmission MIPI CSI-2, up to 4 lanes  
Connector 22 Pin Standardized ZIF Connector

## Dimension

