



MINI-NXP-HAI03

Ultra Compact Edge AI System
with NXP i.MX8M Plus + 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® ; 2 x GbE ; 1 x USB 3.0 Type A, 1 x USB 3.0 Type C
- 1 x Micro SD, 1 x RS485, 2DI/2DO

Specifications :

Model name	MINI-NXP-HAI03		
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 64/128/256GB 1 x Micro SD		
Expansion slot	Network	2 x GbE (RJ45)	
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	
	Display	1 x Mini HDMI®	

Mechanical

Dimensions 66W x 94D x 30.8H mm

Weight 290g

Power

DC input Wide Range DC-IN 9-24V

Environment

Operating Temp. (100 % CPU usage) -40°C to +65°C

Storage Temp. -20°C to +70°C

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

ODM with Camera :



Camera Information (option)

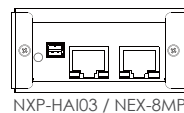
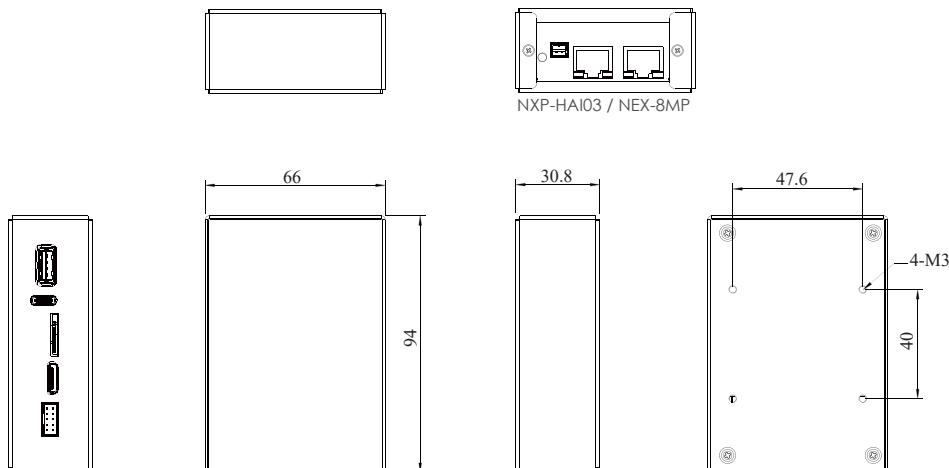
CMOS Sensor onsemi AR0821
Maximum Frame Rate (YUY2)
1920 x 1080 @ 60 fps
1280 x 720 @ 60 fps
640 x 480 @ 60 fps

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



NXP-HAI03 / NEX-8MP