

NXP-HAI03

Carrier Board for NXP i.MX8M Plus Computer on Module: NEX-8MP

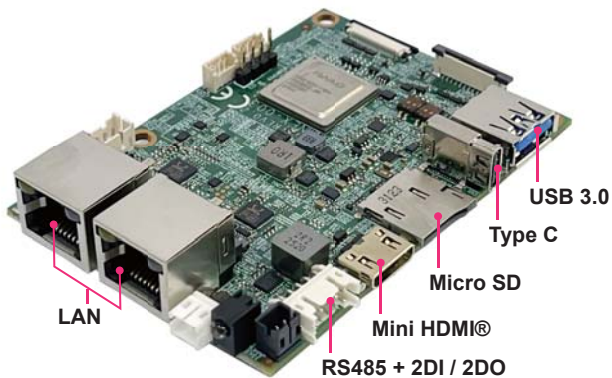


Features:

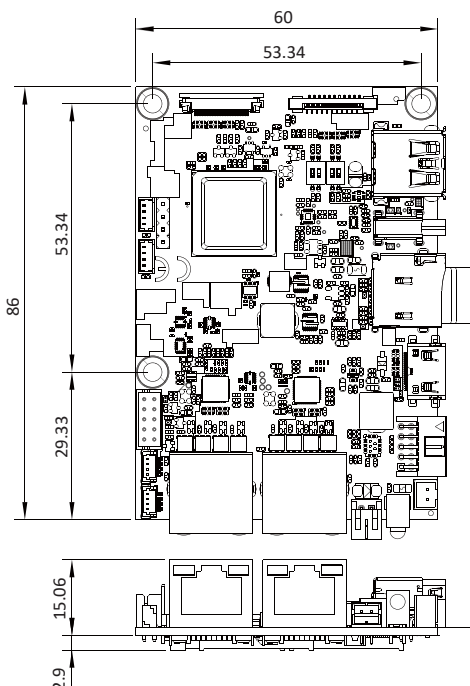
- NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz (NEX-8MP)
- LPDDR4, 4 / 8GB (NEX-8MP)
- 32 GB eMMC 5.1 (NEX-8MP), expandable to 256GB ; 1 x Micro SD
- Onboard Hailo-8™ AI processor ; 2 x MIPI-CSI
- 1 x Mini HDMI® ; 2 x GbE (RJ45) ; 1 x USB 3.0 Type A, 1 x USB 3.0 Type C ; 1 x RS485

Specifications :

- CPU
NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz (NEX-8MP)
- GPU
Vivante GC700UL GPU (NEX-8MP)
- System Memory
LPDDR4 4GB / 8GB (NEX-8MP)
- Storage
32 GB eMMC 5.1 ; (NEX-8MP), expandable to 256GB ; 1 x Micro SD
- Display
1x Mini HDMI®
- AI Accelerator
Onboard Hailo-8™ AI processor
- LAN
2 x GbE (RJ45)
- USB
1 x USB 3.0 Type A, 1 x USB 3.0 Type C
- Serial IO
1 x RS485 (internal)
- Camera
2 x MIPI-CSI
- DI/O
2DI / 2DO
- OS Support (NEX-8MP)
Yocto
- Power Input
Wide Range DC-IN 9-24V
- Dimension
NEX-003: 60 x 86 mm
(NEX-8MP: 58.42 x 58.42 mm) ; Weight: 46g
- Operation Temperature
-40°C~65°C (100 % CPU Usage)
- Operation Humidity
5~95%, non-condensing
- OS Support
Yocto mickledore imx-6.1.55-2.2.0_desktop (Proof of Concept ; POC)



Dimensions: (Unit:mm)



Specification are subject to change without prior notice. ODM / OEM is available.