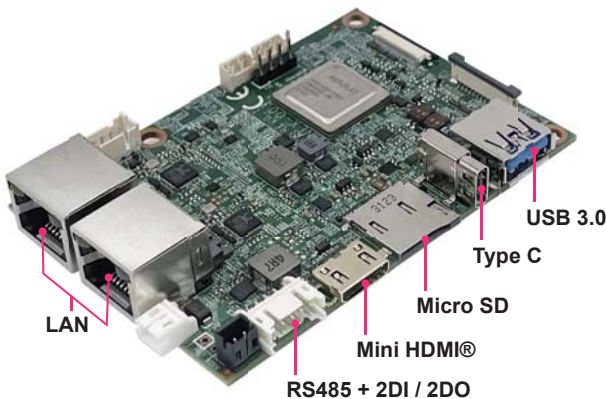


NXP-HAI03

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)

■ Operation Temperature

-40°C~65°C (100 % CPU Usage)

■ Operation Humidity

5~95%, non-condensing

■ Dimensions: (Unit:mm)

