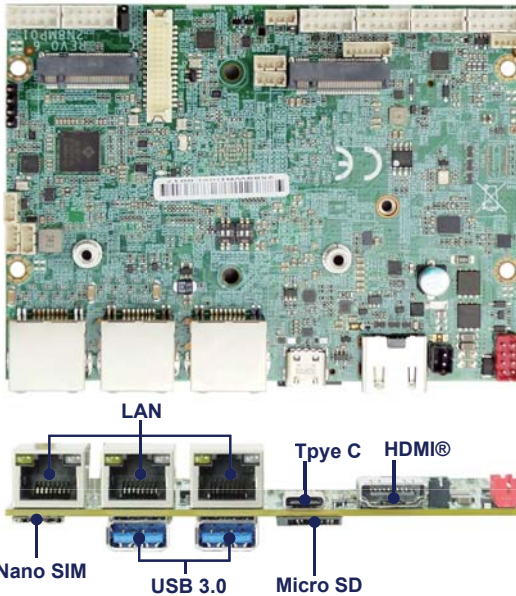


# 2N8MP01

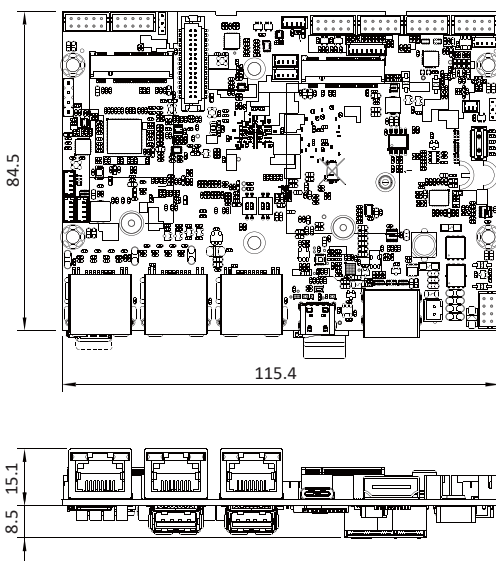
2.5" Embedded SBC supports NXP i.MX8M Plus (Quad core) ARM CortexA53 + M7 CPU,  
1 x HDMI, 1 x LVDS, 3 x Gb Ethernet,  
2 x USB 3.0, 3 x USB 2.0, 2 x COM, MIPI-CSI, CANBus, 1 x TypeC,  
1 x Micro SD, 3 x M.2, 1 x Nano SIM, 6DI / 6DO



## Features:

- NXP i.MX8M Plus (Quad core) ARM Cortex A53 + M7 CPU
- LPDDR4, 4GB / 8GB
- Independent display: 1 x HDMI®, LVDS
- 3 x GbE LAN, 2 x USB 3.0 / 2.0 (Type A), Type C USB 3.0 / 2.0 (OTG), 3 x USB 2.0 (internal)
- 2 x COM, 3 x M.2, 1 x Nano SIM
- 6DI / 6DO
- 1 x MIPI (CSI)
- 1 x CANBus
- 1 x Micro SD

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
NXP i.MX8M Plus (Quad core) ARM Cortex A53 + M7 processor
- GPU  
Vivante GC700UL GPU
- System Memory  
LPDDR4, 4GB / 8GB
- Storage  
64GB eMMC 5.1 ; 1 x Micro SD, M.2 SSD
- Display  
1 x HDMI®, 1 x LVDS
- LAN  
2 x GbE (RTL8211) + 1 x LAN 7800
- Audio (Option)  
HD Audio Line-in / Line-out / AMP
- Expansion Interface  
1 x M.2 B Key 3042 / 3052 (USB 3.0 / 2.0)  
1 x M.2 E Key 2230 (SDIO)  
1 x M.2 B Key 2242 (PCIe x1)  
1 x Nano SIM
- USB  
2 x USB 3.0 / 2.0 (Type A), Type C USB 3.0/2.0 (OTG)  
3 x USB 2.0 (internal)
- Serial IO  
1 x RS422, 1 x RS485, 2 x I<sup>2</sup>C
- CANBus  
1 x CANBus
- GPIO  
Hardware digital Input & Output, 6 x DI / 6 x DO
- WDT  
Hardware Watch Dog Timer, 0~255 sec programmable
- Camera Interface  
1 x MIPI (CSI)
- Power Input  
Wide Range DC IN +9~24V
- Dimension  
2.5" (115.4 x 84.5 mm) ; Weight: 92g
- Operation Temperature (100% CPU Usage)  
-40°C~70°C (100% CPU Usage, not-underclocking)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
NET-II
- OS Support  
Yocto Scarthgap Kernel 6.6 – multimedia