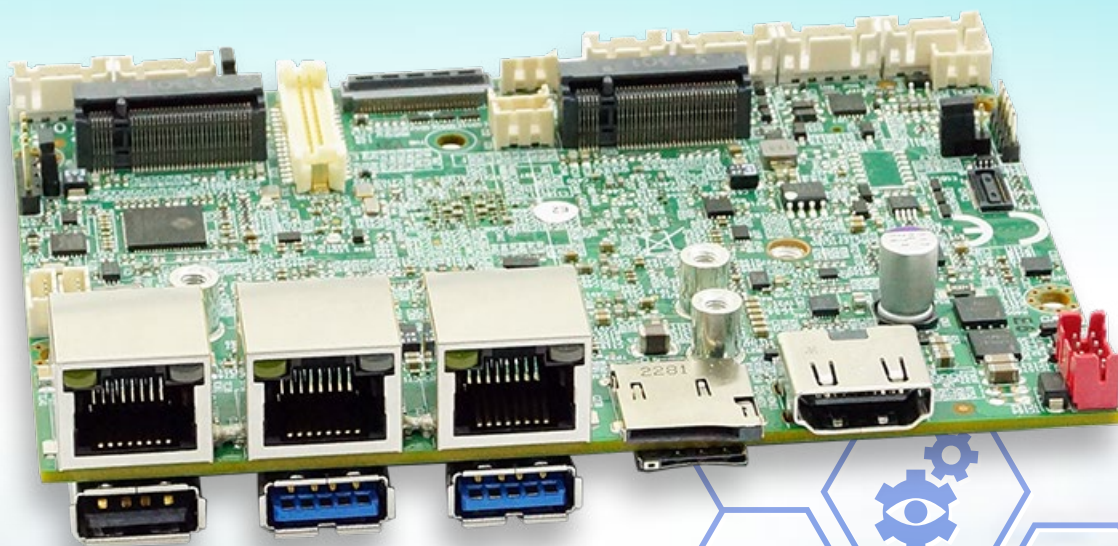
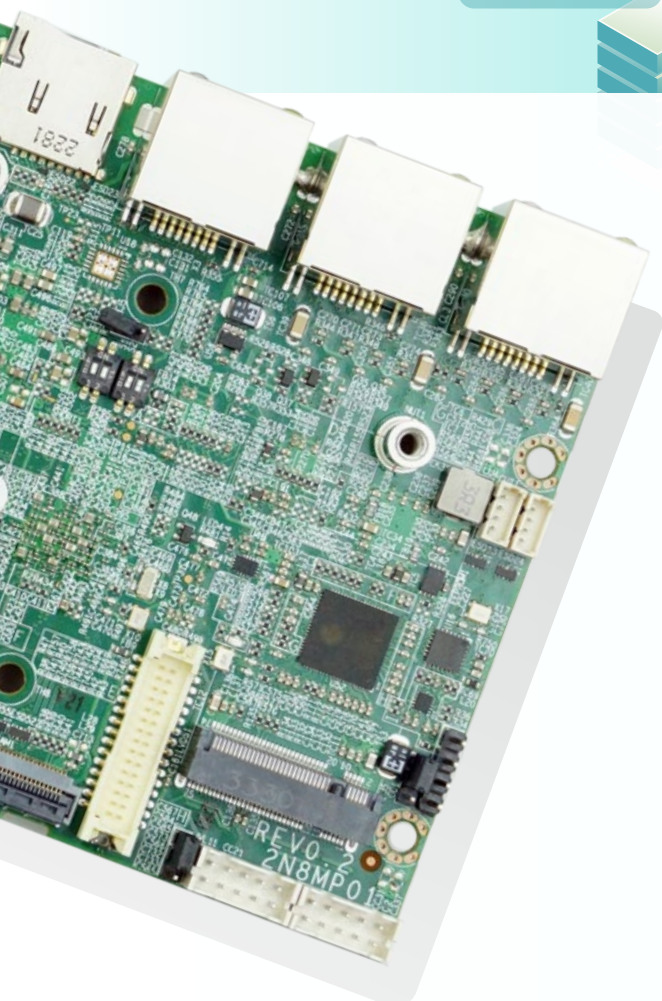


# 2N8MP01

**Compact Edge AI Solution with  
NXP i.MX8M Plus / ARM Cortex processors**





# 2N8MP01

## Compact Edge AI Solution with NXP i.MX8M Plus / ARM Cortex processors

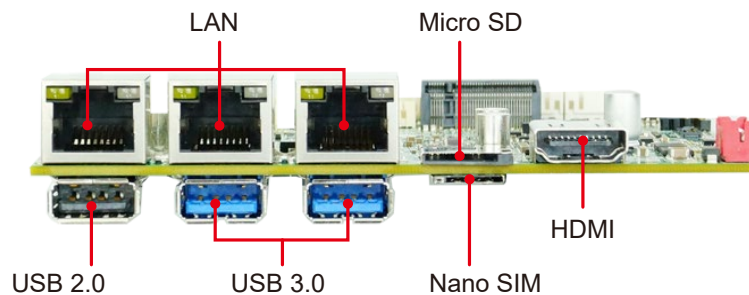
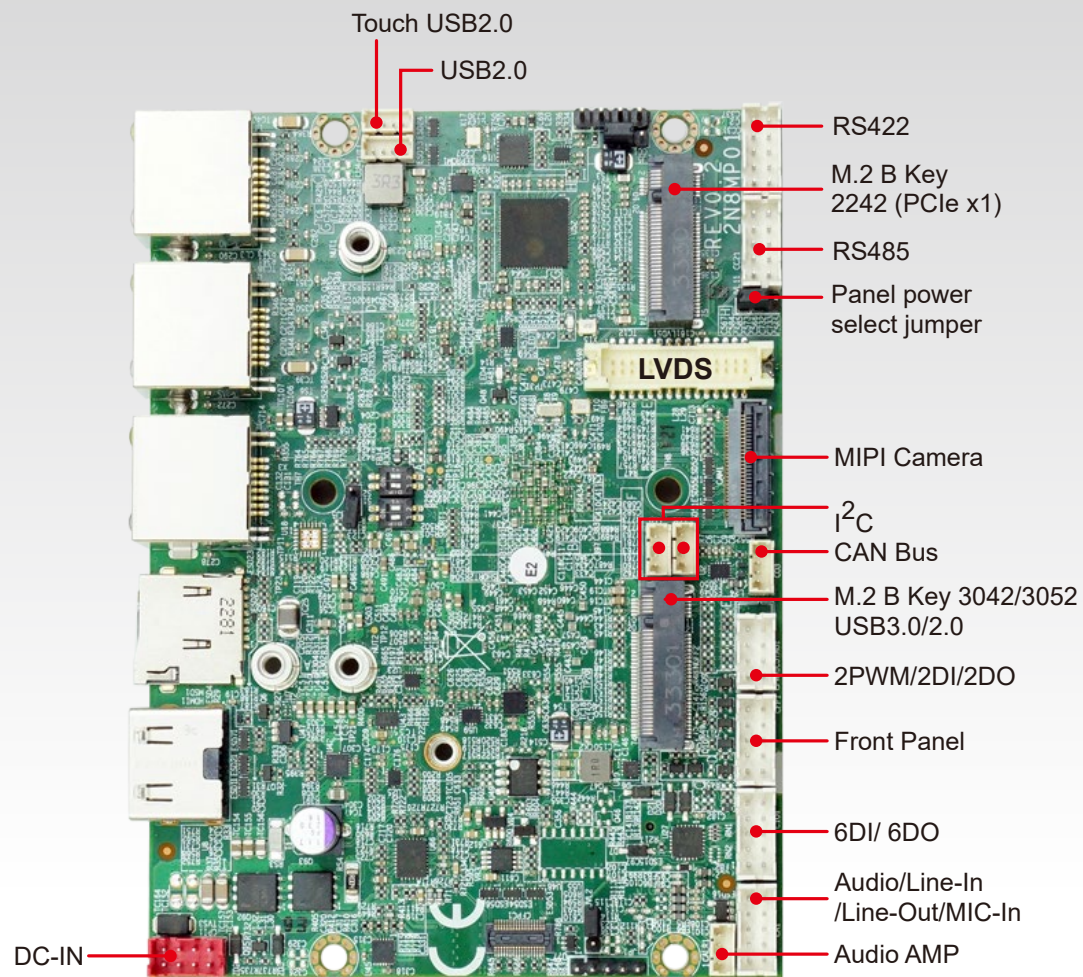
LEX SYSTEM 2N8MP01 is a 2.5-inch Plus (115.4 x 84.5 mm) embedded board based on NXP i.MX8M Plus (Quad-core) ARM Cortex A53 processors.

2N8MP01 integrates the visual and auditory capabilities required for AI and supports HDMI/LVDS, MIPI-CSI for multi-display. 2N8MP01 is equipped with industrial I/O interfaces, including 3 x GbE LAN, 2 x USB 3.0, 3 x USB 2.0, 2 x COM, 1 x CANBus, 3 x M.2, 1 x Nano SIM, 6DI/ 6DO, making it an ideal solution for machine vision, security, IoT gateway, and healthcare applications.





# Function Map



**NXP i.MX8M Plus**  
ARM Cortex-A53

**115.4 x 84.5 mm**

## 2N8MP01

### 2N8MP01 – Compact Edge AI solution for ARM-based embedded Applications

- 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, 3 x USB 2.0
- 2 x COM, 3 x M.2, 1 x Nano SIM
- 6DI/ 6DO
- 1 x MIPI (CSI)
- 1 x CANBus

[Data Sheet](#)

# NET-II 2N8MP01

Dimension: 120W x 90D x 55H mm

- Compact Excellent heat-dissipating  
DIN-Rail System
- space-constrained Embedded solution



## About LEX Comptech

Established in 1990, LEX Computech is an industrial computer manufacturer, provides LEX SYSTEM embedded solutions include designing and manufacturing of industrial motherboards, fanless embedded systems, rugged panel PC, in-vehicle fanless PC, network appliances, machine vision and automation controllers & IoT related solutions.

LEX SYSTEM's R&D team consisted with electronics, layout, system, mechanical, BIOS, firmware as well as software engineers, plus with experienced project management, in-house manufacturing and after sales service provides ODM /OEM customized products for various application-oriented projects.

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