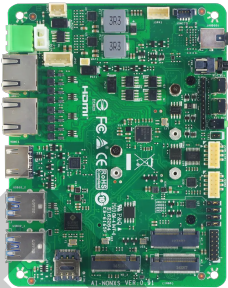


# AI-NONXS NX 16GB Industrial PC



- Support nVidia Jetson Orin NX/NANO series
- HDMI® 2.1
- 2 x MIPI CSI connector
- 1 x GbE & 1 x 2.5GbE (POE opt.)
- 1x M.2 Key-M & 1 x M.2 Key-E & 1 x M.2 Key-B
- 4 x 3.2 USB type A
- 1 x RS232/CAN & 1 x RS232/422/485
- Linux, JetPack 6.2

## Specification

|                |                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------|
| nVidia Module  | Jetson Orin NX 16GB                                                                                           |
| AI Performance | 100 TOPS                                                                                                      |
| GPU            | 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores                                                 |
| CPU SUPPORT    | 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU                                                                     |
| Storage        | 1 x M.2 Key-M PCIe Gen.4 x4 2242/2260/2280 NVMe SSD                                                           |
| MEMORY         | 16GB 128-bit LPDDR5 102.4GB/s                                                                                 |
| EXPANSION SLOT | 1 x M.2 Key-E for 2230 Wi-Fi & BT module<br>1 x M.2 Key-B for 3042/3052 4G LTE/5G module<br>1 x Nano SIM slot |
| GRAPHICS       | HDMI® 2.1                                                                                                     |
| AUDIO          | 1 x 3.5mm Headset jack with Line-out/MIC-In<br>1 x digital MIC pin header<br>1 x speaker out pin header       |
| LAN            | 1 x GbE (POE opt)<br>1 x 2.5GbE (POE opt)                                                                     |
| REAR I/O       | 1 x HDMI®<br>4 x USB 3.2 type A<br>1 x Micro USB (for OS flash)<br>1 x RS232/CAN<br>1 x RS232/422/485         |
| INTERNAL I/O   | 1 x SATA Connector<br>1 x Clear CMOS header<br>1 x 2*8 pin VGA header (colay with DP)                         |
| DIMENSION      | 130mm x 100mm ( W x L )                                                                                       |
| OS SUPPORT     | Support Linux , Jetpack 6.2<br>Support Jetson Orin NX/Nano modules (Super Mode-enabled)                       |
| MIPI Camera    | 2 x 4-lane MIPI CSI 22-pin connector                                                                          |
| External I/O   | 1 x 14-pin header: SPI, I2C, GND, 3.3V, 5V                                                                    |
| Others         | 1 x 12-pin header: LED, 5V, UART, LATCH (AT/ATX mode switch), GND, RST, RCV, PWR                              |
| Fan            | 1 x 4-pin header                                                                                              |

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| RTC                   | 1 x 2pin header                                                     |
| Security (Opt.)       | TPM 2.0                                                             |
| Button                | 1 x Power On button<br>1 x Recovery button<br>1 x Reset button      |
| Power Input Connector | 1 x DC Power Jack for 12V~20V<br>1 x 2-pin internal power connector |
| Operating temperature | -20~60 °C                                                           |

\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!

