

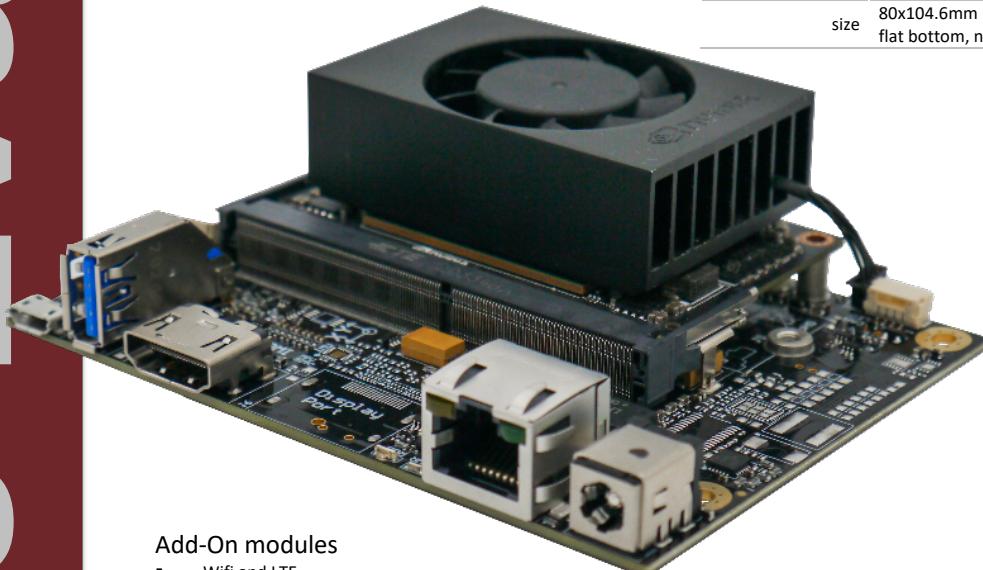
## NVIDIA Jetson Nano, TX2 NX and Xavier NX

### JNX30 evaluation systems for AI

These systems let you dive into AI with ease. They allow you to explore AI applications like people detection, face masking and more. The full suite of NVIDIA SDKs may be installed. At your choice these systems can be equipped with the entire family of NVIDIA compute modules in the SO-DIMM form factor.

### Features

- 128 GB M.2 NVME SSD
- requires Linux host PC and Internet connection to initially flash the system and install the software
- a large variety of addon modules available from Auvidea
- industrial strength design



### Add-On modules

- Wifi and LTE
- 4x Ethernet (100bT – with PoE)
- 4x Ethernet (GbE – with PoE)
- 4x USB 2.0
- GPIO (solid state switches)
- 6x FPD-Link III cameras
- plus CSI-2 camera bundles

### Optional\*

- fully populated variants available
- IMU and board EEPROM
- PCIe x1 connector (TX2 NX and Xavier NX)
- 2 more CSI-2 interfaces (2 lanes each)
- micro SD card
- RTC battery (rechargeable)
- UPS option for graceful power down
- on board MCU for watchdog and remote power cycle (LTE)

\* these features are available with alternative and fully populated versions (like JNX30-PD and JNX30-PSE)

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| Description     | JNX30  |
|-----------------|--|
| power           | 6V - 19V (5.5/2.5mm barrel connector)                        |
| Xavier NX power | 5V 8A power supply   |
| DP              | no (optional with some JNX30 versions)                       |
| HDMI            | yes  |
| fan connector   | yes  |
| M.2 NVME Key M  | yes  |
| M.2 Key E       | only with external module (using internal USB)               |
| USB 3           | 1x USB 3.0/3.1 (native - full performance)                   |
| micro USB       | 1x micro USB (device mode only)                              |
| Auto Flashing   | yes (plug in host cable and flash)                           |
| USB 2           | USB 2.0 (JST-GH)   |
| Ethernet        | Gigabit RJ45 (2 LEDs)  |
| PoE option      | no (optional on other models)                                |
| MIPI CSI-2      | 2x CSI-2 (4 lanes) plus camera LED (hardware sync available) |
| UART            | console UART and user UART                                   |
| crypto chip     | for software copy protection and licensing                   |
| size            | 80x104.6mm   |
|                 | flat bottom, no components on bottom side                    |

### JNX30 AI systems

| SKU            | Kit              | Compute module | SSD   |
|----------------|------------------|----------------|-------|
| 70883-N-128    | JNX30-Nano-128GB | Nano           | 128GB |
| 70883-TX2-128  | JNX30-TX2-128GB  | TX2 NX         | 128GB |
| 70883-NX8-128  | JNX30-NX8-128GB  | Xavier NX 8GB  | 128GB |
| 70883-NX16-128 | JNX30-NX16-128GB | Xavier NX 16GB | 128GB |

### Each kit includes

- JNX30 carrier board
- compute module (production version with on-module eMMC)
- 128GB Transcend NVME M.2 SSD (PCIe x4)
- heatsink (Nano), heatsink/fan (TX2 NX & Xavier NX)
- 12V 36W power supply (FSP036-DHAN3)
- EU power cable



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