

NVIDIA Jetson Nano, TX2 NX and Xavier NX

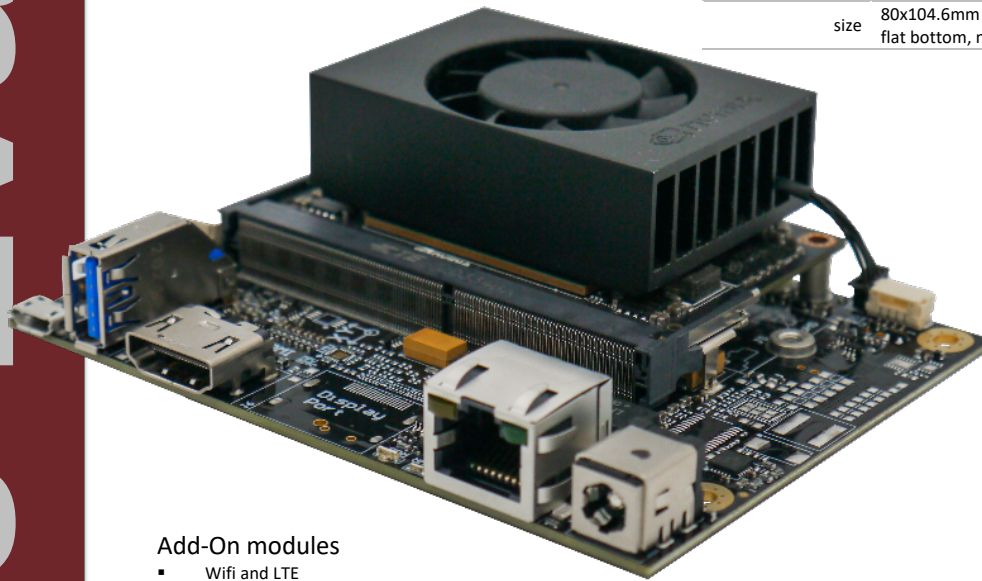
JNX30 evaluation systems for AI

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 add-on modules available from Auvideo
- industrial strength design

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



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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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

