JNX30D development systems

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 with the SoDIMM form factor.

The JNX30D features an industrial strength design and is commercially deployable in any volume.

Features
- 128 GB SSD includes: Linux, Jetpack 4.6, SDks (VisionWorks, Deepstream and more)
- requires Linux host PC and internet connection to install and flash the system and install the software
- a large variety of addon modules available from Auvidea
- industrial strength design

### JNX30D

**Description** | **JNX30D**
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Power in | 6V - 19V (5.5/2.5mm barrel connector)
Xavier NX power | 5V 8A power supply (over current LED)
HDMI | yes
Fan connector | yes
M.2 NVMe Key M | yes
M.2 Key E | only with external module (using internal USB)
Micro SD | yes
USB 3 | 1x USB 3.0/3.1 (native - full performance)
Micro USB | 1x micro USB (device or host mode)
Auto Flashing | yes (plug in host cable and flash)
Ethernet | Gigabit RJ45 (1 LED)
CAN | RX and TX (requires CAN transceiver)
PoE Option | yes
MIPI CSI-2 | 2x CSI-2 (4 lanes) plus camera LED (hardware sync available)
UARTs | console UART and user UART
GPIO header | 40 pin plus 8 pin with I2Cs, UARTs, SPIs, I2S and GPIOs (uni-directional and 5V tolerant)
crypto chip | for software copy protection and licensing
size | 80x104.6mm flat bottom, no components on bottom side

### Optional*
- fully populated variants available
- add-on boards for more USB and Ethernet ports
- IMU
- board EEPROM
- PCIe x1 connector
- M.2b 2x1 module
- 2 more CSI-2 interfaces (2 lanes each)
- RTC battery (rechargeable)
- over current fuse (product safety)
- UPS option for graceful power down
- on board MCU for watchdog and remote power cycle (LTE)

*available with alternative and fully populated versions

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