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 SD-DDM form factor.

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

Features
- 128 GB/2 TB SSD includes: Linux, Jetpack 4.6, SDKs [VisionWorks, DeepStream and more]
- 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

Optional*
- fully populated variants available
- addon boards for more USB and Ethernet ports
- IMU
- board EEPROM
- PCIe x1 connector
- LMB23 WIFI 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)

Specifications subject to change without notice.
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Auvidea GmbH
Egart 5
D-86920 Denklingen / Germany
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JNX30D

Boot from SSD with NVIDIA® Jetson Nano™

Description | JNX30D
--- | ---
power in | 6V - 19V (5.5/2.5mm barrel connector)
Xavier NX power | 5V BA power supply (over current LED)
HDMI | yes
fan connector | yes
M.2 NVME Key M | only with external module
M.2 Key E | (using internal USB)
micro SD | yes
USB 3 | 1x USB 3.0/1.1 (native - full performance)
micro USB | 1x micro USB (device or host mode)
Auto Flashing | yes (plug in host cable and flash)
USB 2 | 2x 5V/2A (JST GH)
Ethernet | Gigabit RJ45 (2 LED)
PoE option | yes
PoE (802.3af) | yes
MIPI CSI-2 | 2x CSI-2 (4 lanes) plus camera LED (hardware sync available)
MiniPCIe | mini PCIe to host or user UART
GPIO header | 40 pin plus 8 pin with I2Cs, UARTs, SPIs, I2S and GPODs (uni-directional and 5V tolerant)
crypto chip | for software copy protection and licensing
size (OD)| 80x104.6mm flat bottom, no components on bottom side

Optional:
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JNX30D Development Systems

<table>
<thead>
<tr>
<th>SKU</th>
<th>Kit</th>
<th>Compute module</th>
<th>SSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>70888-N</td>
<td>JNX30D-Nano</td>
<td>Nano</td>
<td>no</td>
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<tr>
<td>70888-N-12</td>
<td>JNX30D-Nano-128GB</td>
<td>Nano</td>
<td>128GB</td>
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<tr>
<td>70888-N-2Ti</td>
<td>JNX30D-Nano-2TB</td>
<td>Nano</td>
<td>2TB ind.</td>
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</table>

Each kit includes
- JNX30D carrier board
- compute module (production version with internal eMMC)
- 128GB or 2TB (industrial) Transcend NVME M.2 SSD (PCIe x4)
- Heatsink (Nano)
- 12V 36W power supply (FSP036-DHAN3)
- EU, US or UK power cable optional