JN30D Development System

JN30D
This new JN30D carrier board has been designed specifically for developers and for the Jetson Nano it also supports TX2 NX in low power application. It is powered by a USB-C 5V 3A (15W) power adapter (not included). It features the 40 pin GPIO header with a pinout similar to the Raspberry Pi. For high power application we recommend the JNX30D.

Features
- 128 GB/2 TB SSD with large boot partition for Linux, jetpack 4.x, 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
- IM823 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)

*Available with alternative and fully populated versions

JN30D Development Systems

<table>
<thead>
<tr>
<th>SKU</th>
<th>Kit</th>
<th>Compute module</th>
<th>SSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>70890-TX2</td>
<td>JN30D-TX2</td>
<td>TX2 NX</td>
<td>no</td>
</tr>
<tr>
<td>70890-TX2-128</td>
<td>JN30D-TX2-128GB</td>
<td>TX2 NX</td>
<td>128GB</td>
</tr>
<tr>
<td>70890-TX2-2T</td>
<td>JN30D-TX2-2TB</td>
<td>TX2 NX</td>
<td>2TB</td>
</tr>
</tbody>
</table>

Each kit includes
- JN30D carrier board
- NVIDIA compute module (production version with eMMC flash)
- 128GB/2TB Transcend NVME M.2 SSD (PCIe x4)
- Heatsink/Fan (TX2 NX)
- 40 pin GPIO header (not soldered)

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