

Cost-effective carrier board based on NVIDIA Jetson Nano and Xavier NX processor modules for edge analytics.

## HIGHLIGHTS

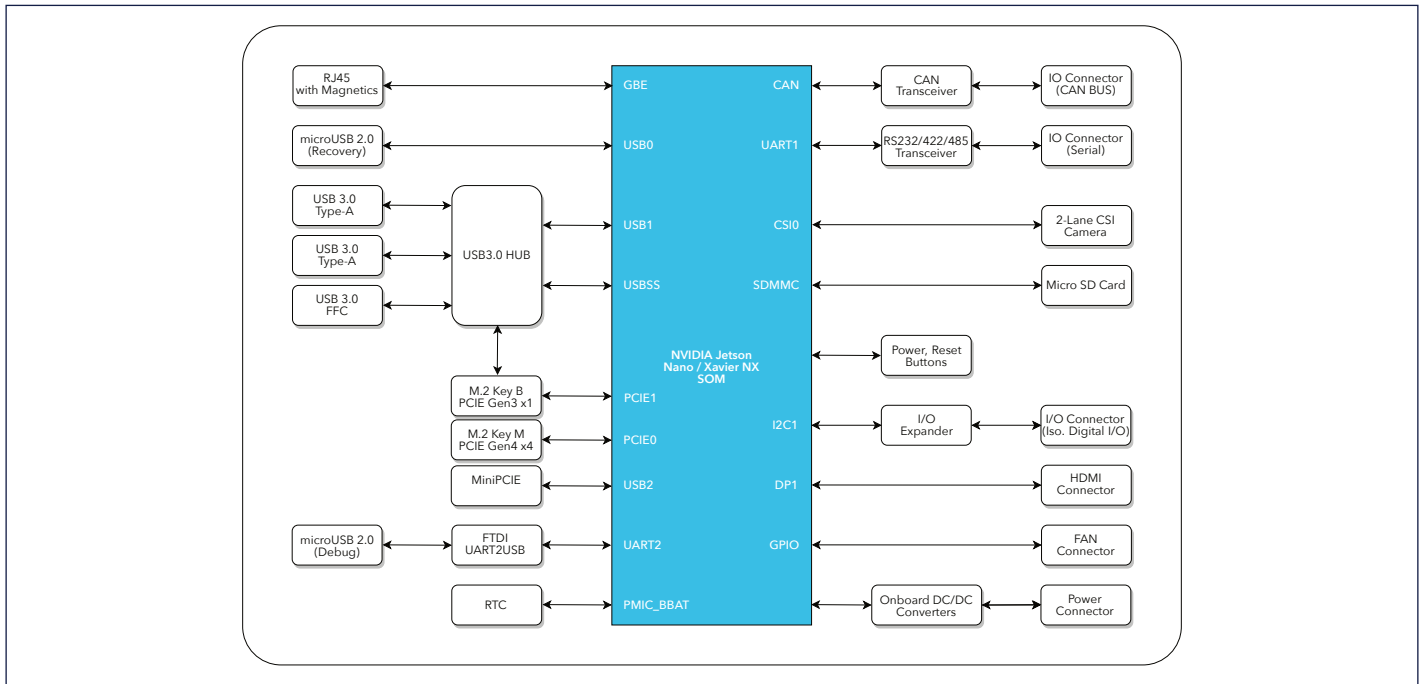
- Supports NVIDIA Jetson Nano and Xavier NX SOMs
- All ready for edge analytics and multi-stream deep learning applications
- 4K Video Display (HDMI 2.0)
- Industrial IO options (RS232/485, CAN Bus, Digital I/Os)
- Rich extension options (M.2 Key E, M.2 Key B, M.2 Key M)
- High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- Robust power design
- Wide voltage input range
- Extended temperature range
- Ideal for size and power constrained systems
- Robust design for 7/24 operation

## TECHNICAL SPECIFICATIONS

<b>Supported Modules</b>	NVIDIA Jetson Nano NVIDIA Jetson Xavier NX NVIDIA Jetson TX2 NX
<b>Memory</b>	4 GB 64-bit LPDDR4 8 GB 128-bit LPDDR4x
<b>Graphics Interfaces</b>	1x HDMI 2.0 (max resolution 3840x2160)
<b>Interfaces</b>	1x Gigabit Ethernet 2x USB 3.1 Type-A 1x CAN Bus (No available in Jetson Nano) 1x RS232/422/485 (software configurable) 2x microUSB 2.0 (Debug/Recovery) Isolated Digital IO (3 OUT / 2 IN)
<b>Wireless Communication</b>	WiFi/Bluetooth/LTE/5G Connectivity by extension sockets

<b>Power Supply</b>	9-28 VDC
<b>Internal Extension Sockets</b>	1x M.2 Key E 1x M.2 Key B (USB 3.1 only) 1x M.2 Key M (PCIe Gen4 x4)
<b>Internal Mass Storage</b>	16 GB eMMC 5.1 Flash 1x MicroSD
<b>Ambient Conditions</b>	-40°C ... +85°C
<b>Form Factor / Dimensions</b>	100 mm x 100 mm
<b>Operating Systems</b>	Ubuntu Linux 18.04

## CONNECTIVITY OPTIONS



## ORDERING INFORMATION

**DSBOARD-NX2-AA** DSBOARD-NX2 without SOM module

**DSBOARD-NX2-AB** DSBOARD-NX2 with NVIDIA Jetson Nano SOM module and passive heatsink

**DSBOARD-NX2-AC** DSBOARD-NX2 with NVIDIA Jetson Xavier NX SOM module and passive heatsink

**DSBOARD-NX2-AD** DSBOARD-NX2 with NVIDIA Jetson TX2 NX SOM module and passive heatsink

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