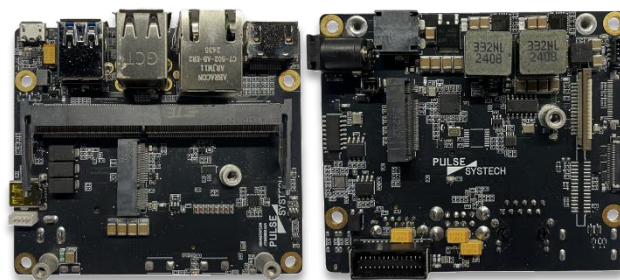


TECHNICAL SPECIFICATIONS

Module Compatibility	NVIDIA Jetson Nano NVIDIA Jetson TX2 NX NVIDIA Jetson Xavier NX NVIDIA Jetson Orin Nano Super
Dimensions	85.5mm x 73.5mm x 29.2mm
Weight	82 gr
Supply Voltage	9V-32V
Ethernet	1 x 10/100/1000BASE-T RJ45
Graphics Interface	1 x HDMI 2.0 (max resolution 3840 x 2160 30 fps)
USB	2 x USB2.0 Tip A 1 x USB 2.0 Micro-B (Recovery) 1 x USB 3.0 Tip A
*Camera	1 x 4L MIPI-CSI2, 1 x 2L MIPI-CSI2
PCIe	1 x M.2 E Key 2230, 1 x M.2 M Key NVMe 2242
Debug	1 x USB CH340 Debug
*UART	1 x RS232
*CAN	1 x Non-isolated CAN 2.0 (Jetson Nano not included)
I2C	1 x I2C
SPI	1 X SPI
RTC Battery	2-Pin RTC Battery Connector
External Voltage Output	1 x 12V/1A 1 x 3V3/500mA 1 x 5V0/500mA
GPIO	1 x Force Recovery, 2 x GPIO
Operating Systems	Ubuntu Linux 18.04 / 20.04 / 22.04
JetPack Support	JetPack 4.x / 5.x / 6.x
Operating Temperature	-40 °C...85 °C

* Manufacture custom option please contact us



Features

- Wide Operating Supply Voltage 9V-32V
- Designed with a minimal footprint 85.5mm x 73.5mm x 29.2mm
- Support 1 x GbE, 1 x USB 3.2, 2 x USB 2.0, RS232, CAN-BUS
- Full Module Support 1 x M.2 B Key 2242, 1 x M.2 E Key 2230
- Support MIPI-CSI2 2/4 Lane Camera Port
- Supports Super mode with Jetpack 6.2 and above
- Operating Temperature Range -40 °C...85 °C



Autonomous Vehicles



Robotics Systems



Industrial Automation



Agriculture

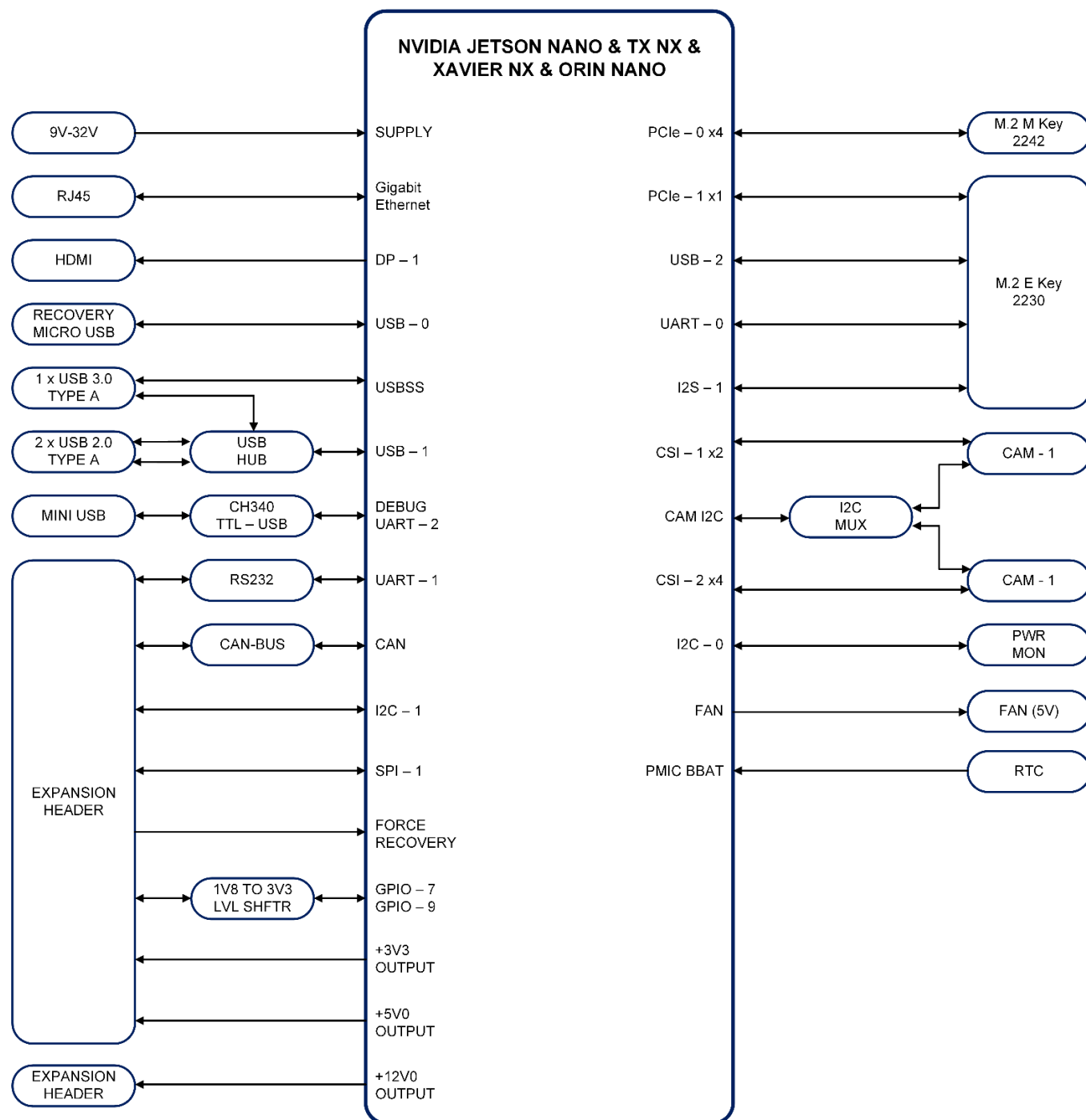


Energy Systems

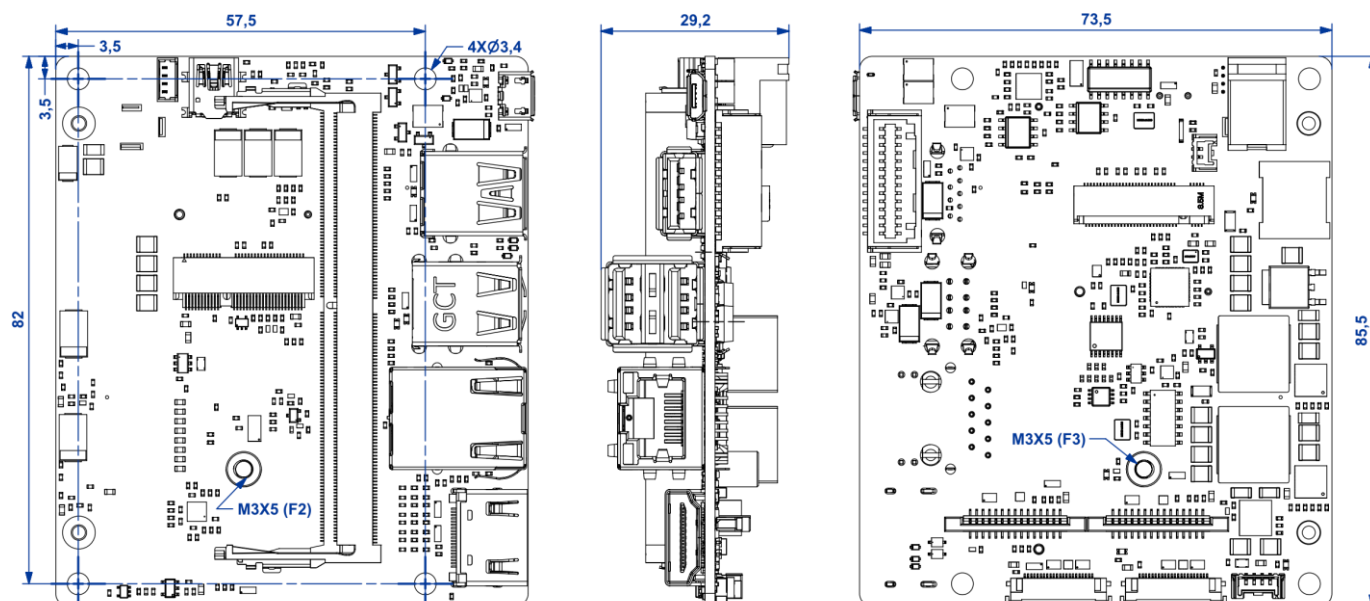


Surveillance

BLOCK DIAGRAM



Mechanical Details



Ordering Information

Part Number	NVIDIA Module Memory	Installed JetPack Version	Super Mode Support
JTSN0001V1A-NANO	4GB	4.x	No
JTSN0001V1A-TX2-NX	4 GB	4.x	No
JTSN0001V1A-XAVIER-NX-8GB	8 GB	4.x / 5.x	No
JTSN0001V1A-XAVIER-NX-16GB	16 GB	4.x / 5.x	No
JTSN0001V1A-ORIN-NANO-4GB	4 GB	5.x / 6.x	Yes
JTSN0001V1A-ORIN-NANO-8GB	8 GB	5.x / 6.x	Yes
JTSN0001V1A	-	-	-

*Operating system of choice can be installed upon request before shipping.

Packing List

Part Number	Description	Quantity
JTSN0001V1A-XXXX-XX-XX	Jetson carrier board with/without selected Jetson SOM module	1

Optional List

Part Number	Description
0118060004	Expansion Header Cable, RTC Cable, 12V0 Output Power Cable
0113030002	Wi-Fi + Bluetooth Module
0113040002	256 GB SSD Module
030109.XXX	Jetson SOM Module Heatsink

FOR ORDER

