

TECHNICAL SPECIFICATIONS

Support Module	NVIDIA Jetson Orin Nano Super
*Memory	4 GB 64-bit LPDDR5 / 8 GB 128-bit LPDDR5
Dimensions	116.60 x 102.85 x 54.70 mm
Supply Voltage	9V-32V
Power Button	Switch and Power LED
Display Interface	1 x HDMI 2.0 (Max resolution 3840x2160)
Ethernet	1 x 10/100/1000BASE-T RJ45
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 (22P 0.5mm FPC Cable) 1 x 2L MIPI-CSI2 (15P 1mm FPC Cable)
PCIe	1 x WiFi 2.4 GHz - 5.0 GHz / Bluetooth 1 x NVMe 256GB SSD
Debug	1 x UART TTL
*UART	1 x RS232
CAN	1 x Non-isolated CAN 2.0
I2C	1 x I2C
SPI	1 X SPI
RTC Battery	Internal RTC Battery
External Voltage Output	1 x 3V3/500mA 1 x 5V0/500mA 1 x 12V0/1000mA
GPIO	2 x GPIO
Operating Systems	Ubuntu Linux 20.04 / 22.04
JetPack Support	JetPack 5.x / 6.x
Operating Temperature	-25 °C...+70 °C

* Manufacture custom option please contact us



Features

- Fanless design
- Embedded NVIDIA Jetson Orin Nano Super up to 67 TOPS
- Designed with a minimal footprint 116.60 x 102.85 x 54.70 mm
- Support 1 x GbE, 1 x USB 3.2, 2 x USB 2.0, RS232, CAN-BUS
- On Board NVMe 256GB SSD, WiFi 2.4GHz-5.0GHz /Bluetooth
- Support MIPI-CSI2 2/4 Lane Camera Port
- Supports Super mode with Jetpack 6.2 and above
- Operating Temperature Range -25 °C...+70 °C



Autonomous Vehicles



Robotics Systems



Industrial Automation



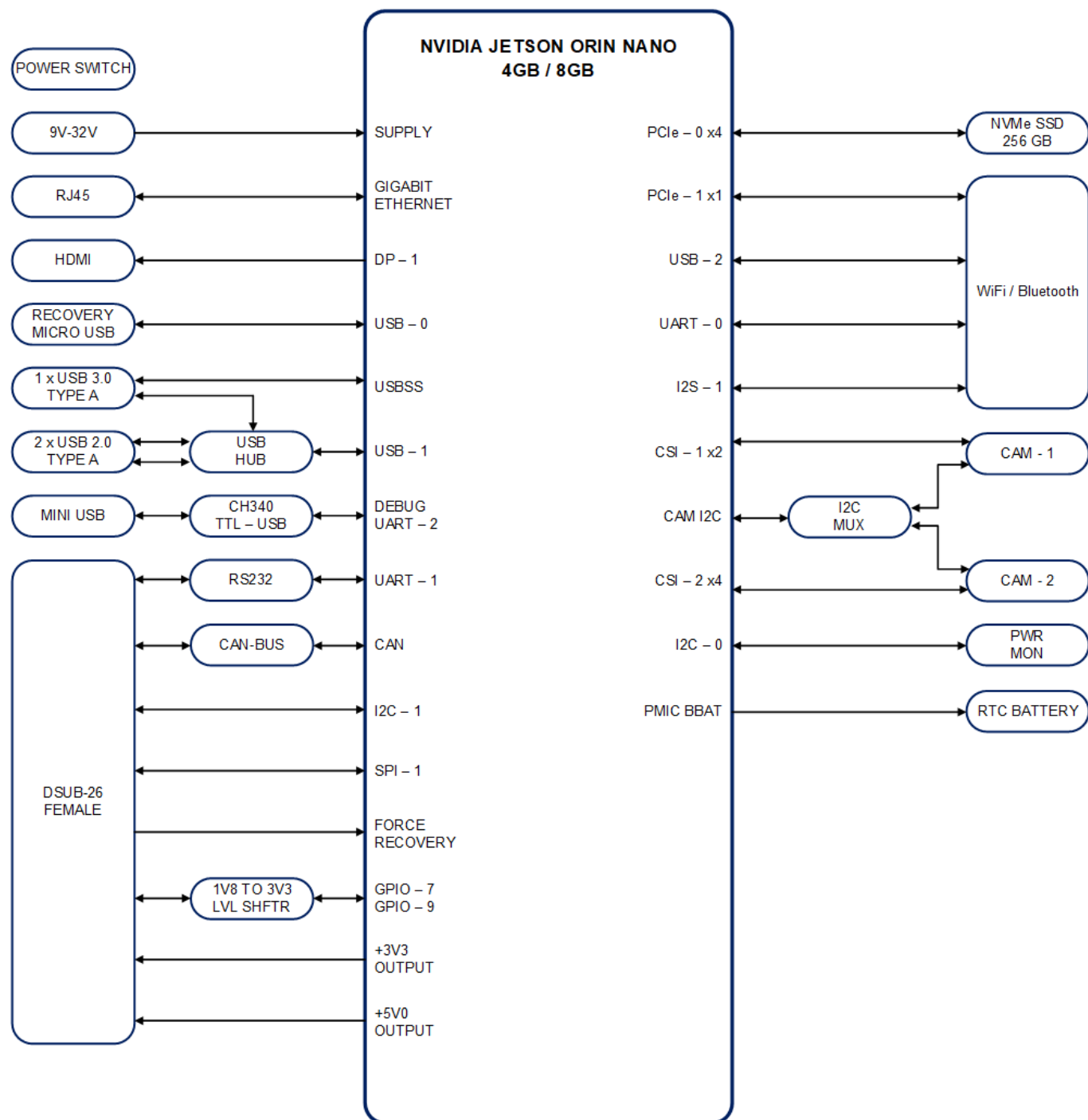
Agriculture



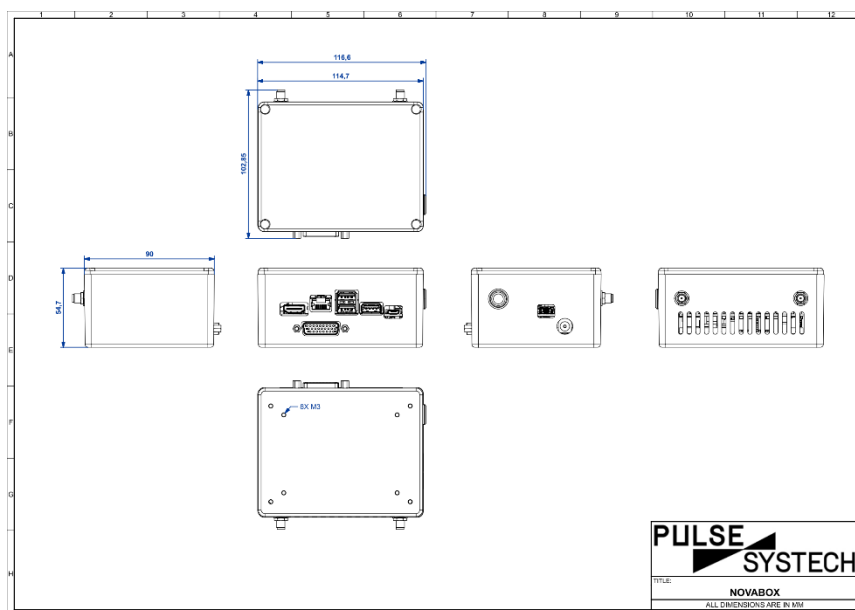
Energy Systems



Surveillance

BLOCK DIAGRAM

Mechanical Details



Ordering Information

Part Number	NVIDIA Module Memory	Installed JetPack Version	Super Mode Support
NOVA-BOX-ON001	8 GB	JP5.1.2	No
NOVA-BOX-ON002	4 GB	JP5.1.2	No
NOVA-BOX-ON003	8 GB	JP6.2	Yes
NOVA-BOX-ON004	4 GB	JP6.2	Yes
NOVA-BOX-ON005	8 GB	NA	NA
NOVA-BOX-ON006	4 GB	NA	NA

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

Packing List

Part Number	Description	Quantity
NOVA-BOX-ONXXX	Jetson Orin Nano Fanless Unit	1
0118060005	DSUB Cable Recovery and I/O Port	1
0118020001	Micro USB Cable For Recovery	1

Optional List

Part Number	Description
PST002T2.4	Mounting Bracket

FOR ORDER

