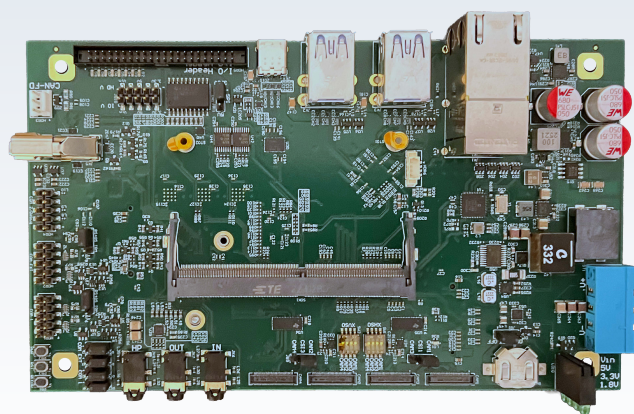




Features

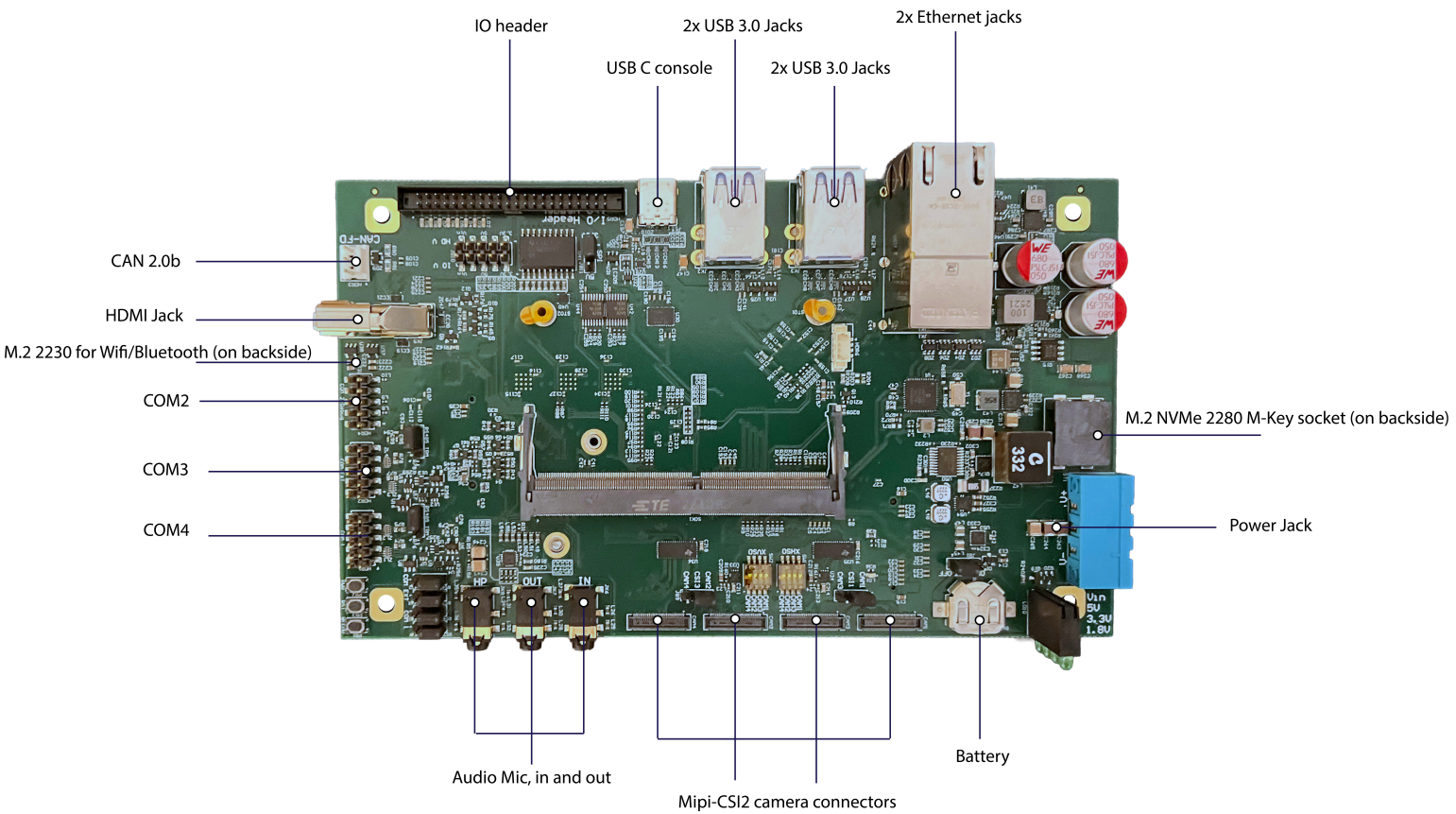
- Orin Nano/NX Carrier Board
- Dual 1000BaseT Ethernet
- 4x CSI 2-Lane or 2x CSI 4-Lane
- 5x USB 3.x Ports (4x Type A & 1x Type C)
- 3x Serial Ports (1x RS232/2x RS232/485)
- CAN, SPI, I2C, 8 Hi-Drive Outputs
- 8 Channels of Multi-IO (A/D, D/A, GPIO)
- Audio In & Out
- Optional Wifi



Specifications (Actual I/O Availability is SoM Dependent)

Compatibility	Supports NVIDIA Orin Nano / Orin NX SoM (260-pin Orin NX/Nano pin spec)
I/O	16x GPIOs (Phoenix Contact Screw Terminals)
	8x Hi-Drive Outputs with status LEDs (500mA sink; open collector)
	8x Multi-Mode I/Os (A/D, D/A, In, Out; I2C based)
	1x USB 3.x SuperSpeed Host/Recovery Port (Type C)
	4x USB 3.x SuperSpeed Host Ports (Type A; dual-height connectors via USB Hub)
	1x USB 2.0 High-Speed Host Port (for M.2 E Slot; USB Hub)
	1x CAN 2.0B Port
	1x RS232 DB9 Debug/Console Port (no handshake)
	2x RS232/RS485 Multi-Mode Ports with CTS & RTS (no isolation)
	2x 1000 BaseT Ethernet with Status LEDs
	2x PWM
	1x Fan Control Connector
	Push Button Reset & Recovery Button
Video	4x CSI 2-Lane or 2x CSI 4-Lane camera interfaces, HDMI Camera
Analog	8x Multi-Mode I/O Lines supporting: A/D, D/A, Input, Output
	Audio: 1x I2S Audio Port with Line In / Line Out
Dimensions	7.05 x 4.17 in (180 x 106 mm)
Power Req.	Input Power: 9V to 36VDC
	Supports higher power requirements for Super Mode (up to 40W)
	Phoenix Contact Screw Terminal power input with Chassis GND
Environment	Operating Temperature: -40°C to +85°C
	RoHS 2015 Compliance





Ordering Information

PRODUCT #	DESCRIPTION
SOM-910NX-000	NVIDIA JETSON ORIN NX/NANO & ORIN NX/NANO SUPER CARRIER BOARD

Suggested SOM Module Options

PRODUCT #	DESCRIPTION
SOM-13767-010	Jetson Orin NX 6C/8G RAM (-25 to 90C)
SOM-13767-000	Jetson Orin NX 6C/16G RAM (-25 to 90C)
SOM-13767-0A0	Jetson Orin NX 6C/16G RAM (-25 to 90C) -Made in USA
SOM-13767-030	Jetson Orin Nano 6C/8G RAM (-25 to 105C)

Peripheral Options

PRODUCT #	DESCRIPTION
PER-FAN-0039PRO	ThermiQ Cooling HSF Orin NX/Nano
PER-COM-0039AR0	M.2 2230 (A-E Key) Card 802.11 ac/a/b/g/n + Bluetooth 5.0 ****Requires antenna and cable
PER-COM-0040AR0	M.2 2230 (A-E Key) Card 802.11ax/ac/b/g/n + Bluetooth 5.2 ****Requires antenna and cable
PER-DRV-00275-R	M.2 2280 1TB PCIe NVMe (-40 to 85°C)