SoM-910NX

260-pin SODIMM Carrier Board

Features

- Orin Nano/NX Carrier Board
- Dual 1000BaseT Ethernet
- 4x CSI 2-Lane or 2x CSI 4-Lane
- 5x USB 3.x Ports
- 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)

SOM	Supports NVIDIA Orin Nano / Orin NX SoM (260-pin Orin NX/Nano pin spec)
Storage	1x M.2 M-Key NVMe Slot (2280/2260/2242/2230)
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
Audio	Line In & Out (I2S)
Expansion	2x SPI Ports with 2 Slave Selects, 2x I2C Hardware Ports
Camera	4x CSI 2-Lane or 2x CSI 4-Lane camera interfaces
Video	HDMI Connector
Dimensions	
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

Suggested SOM Module Options

PRODUCT #	DESCRIPTION

Peripheral Options

PRODUCT #	DESCRIPTION