

Carrier Board Specifications

Feature	Details
Module Compatibility	NVIDIA Jetson Nano / Jetson NX
Mechanical Dimensions	103.5mm x 72.4mm
USB	1x USB 2.0 Host Port Connector: Type-A
Internal Debug IO	1x USB 2.0 OTG Port (Flashing Capability) Connector: Micro-AB 1x HDMI (Type-A Vertical) 1x UART (TX/RX Only 3.3V TTL 0.1" Header) 1x Recovery Button SMT Tact Button 1x Reset Button SMT Tact Button (shared signal with external button) 1x Power Button SMT Tact Button
Storage	1x M.2 2280 NVMe M-Key (PCIe x4 Link)
Ethernet	2x 1000BASE-T (Gigabit Ethernet) <ul style="list-style-type: none"> - 1 port sourced from native Jetson Nano PHY - 1 port sourced from Jetson Nano USB 3.0 host port to ASIX USB3.0-to-GBE PHY (AX88179) Connector: 2x RJ-45 MagJacks
I2C	1x 5V/3.3V I2C General Purpose Connector: 1x4 0.1" Pitch Header Voltage level selectable via Jumper (or DIP Switch)
GPIO (Output) Relay Driver IO	1x Output (Needs to drive a relay, or trigger an ALARM) Coil Rated Voltage: 12VDC Coil Rated Current: 37.5mA Reverse Current Protection (Customer Request) Jetson Nano Pin 199 (DAP4_SCLK) (DevKit Header Pin 18) Connector: 2-pos, OUTPUT, GND 2-pin 5mm pitch terminal block
GPIO (Input) User Button	1x User "GPIO Button" Right Angle Pushbutton This button will interface back to a GPIO Input on the Jetson Nano Button Type and Configuration: SPST or SPDT OFF-ON Jetson Nano Pin 104 (SPI2_CS0) (DevKit Header Pin 12)
Power Input	1x 2.5mm DC Barrel Jack (Center Positive) Input Range = +5V Note: Same as Nano Dev Kit
Reset Button	1x Right Angle Tactile Button tied to Jetson RESET signal
Power LED	1x Power LED to be viewable from outside the Enclosure Chassis
Operating Temperature	0 to +60°
Environmental Requirements	None Required
Weight	TBD
Warranty and Support	1 Year Warranty and Free Support