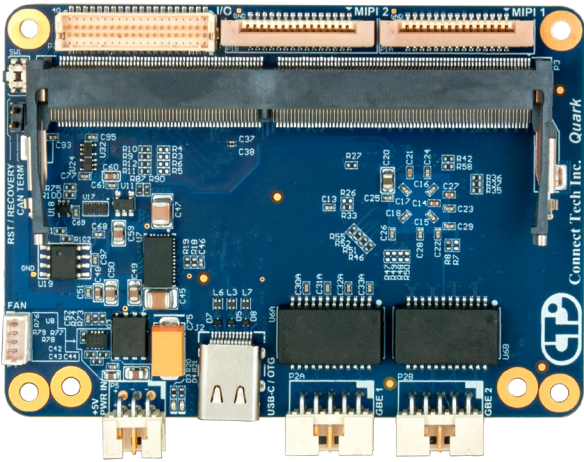




## The Quark Carrier Board is an ultra small, feature rich carrier for AI Computing at the Edge.

Just slightly larger than the Jetson SODIMM module, Quark is ideal for vision applications, inference, and unmanned payloads.



Quark's design includes a rich I/O set as well as positive locking IO connectors optimized for rugged environments.

### FEATURES

- ✓ Smaller than the Dev Kit: 82.6mm x 58.8mm
- ✓ 1x SD card slot, 3x 3.3V UART, 2 x I2C, 1x CAN 2.0b, and 1x SPI
- ✓ 1x USB 3.1, 2x GbE, 2x 2-lane MIPI CSI-2, 1x USB OTG
- ✓ +5V DC Input

### SPECIFICATIONS

<b>Compatibility</b>	NVIDIA Jetson Nano, NVIDIA Jetson Xavier NX <sup>1</sup>	<b>Dimensions</b>	82.6mm x 58.8mm (3.25" x 2.31")
<b>Ethernet</b>	2x 1000BASE-T Ports (Connector: Positive Locking Pin Headers)  1x GbE from Jetson GbE Port 1x GbE from PCIe x1 i210 PHY	<b>USB + OTG</b>	1x USB 3.1 (USB Type-C Connector) w/ USB0 OTG connection
<b>MIPI Cameras</b>	2x 2-lane MIPI CSI-2 (Connector: 1-1734248-5) <ul style="list-style-type: none"> <li>• 15-pin FPC 1mm Pitch Connector</li> <li>• Same MIPI connector used on Nano Dev Kit</li> </ul>	<b>Misc Interfaces</b>	2x 2-lane MIPI CSI-2 (Connector: 1-1734248-5) <ul style="list-style-type: none"> <li>• 15-pin FPC 1mm Pitch Connector</li> <li>• Same MIPI connector used on Nano Dev Kit</li> </ul>
<b>Power Input</b>	+5V DC Input (Connector: Positive Locking Pin Header)	<b>Storage</b>	1x Micro SD Card Slot
<b>Display Output</b>	None (Headless Operation only)	<b>FAN</b>	1x 4-pin Fan Connector (1x4 Picoblade)
<b>Power Input</b>	+5V DC Input (Connector: Positive Locking Pin Header)	<b>Operating Temperature</b>	-25°C to +85°C (-13°F x 185°F)
<b>Weight</b>	33g (1.16oz)	<b>Warranty and Support</b>	1 Year Warranty and Free Support

[1] Compatible with only Jetson Nano and Xavier NX production modules.



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