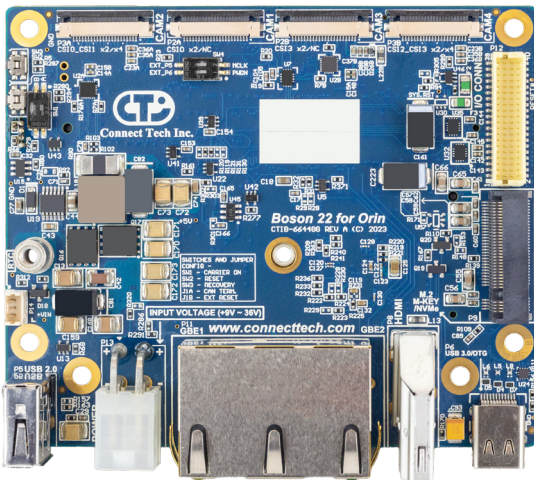


Boson-22 for Jetson Orin™ is an AI vision powerhouse, integrating up to four MIPI cameras within an extremely small footprint.



Boson-22 for Jetson Orin™ maximizes sensor inputs and storage solutions for high-end vision applications. Compatible with multiple sensor modules and equipped with PC style connectors, Boson-22 will accelerate development of applications wishing to utilize multiple cameras on the Jetson platform.



Equipped with 4x 22-pin connectors for instant access to multiple compatible sensor modules.

Since Boson-22 is compatible with the Jetson Orin NX and Orin Nano modules, users can seamlessly transition between modules depending on their AI processing requirements.

## FEATURES

- ✓ Dual Gigabit Ethernet and USB ports
- ✓ Supports multiple configurations for deployment flexibility. Options for 2-lane and 4-lane MIPI camera modules
- ✓ Dimensions: 90mm x 75mm
- ✓ Storage available through NVMe
- ✓ WiFi and Bluetooth expansion

## SPECIFICATIONS

<b>Ethernet</b>	2x 1000BASE-T Ethernet Port <ul style="list-style-type: none"> <li>• 1x Port sourced directly from Jetson Orin NX</li> <li>• 1x Port sourced from i210</li> </ul>	<b>MIPI Camera Inputs</b>	Four 22-pin MIPI connectors, supporting the following camera configurations: <ul style="list-style-type: none"> <li>• 2x 4-lane MIPI Sensor Modules; or</li> <li>• 4x 2-lane MIPI Sensor Modules</li> </ul>
<b>Storage</b>	1x NVMe M.2 M-Key 2280 (4-lane PCIe)	<b>M.2 E-Key</b>	1x WiFi/Bluetooth M.2 E-Key 2230 module
<b>USB</b>	1x USB 3.1 Gen 2 w/ OTG capability (Type C) 1x USB 2.0 (Type A)	<b>Input Power / Misc Power Details</b>	+9V to +36V Input Voltage Range <ul style="list-style-type: none"> <li>• Auto-ON operation by default</li> </ul>
<b>RTC Battery</b>	1x RTC Battery External Connector	<b>FAN</b>	1x FAN w/ PWM Control
<b>Operating Temperature</b>	-40°C to +85°C (-40°F to +185°F)	<b>Weight</b>	80g (2.82oz)
<b>Mechanical Details</b>	90mm x 75mm (3.54" x 2.95")	<b>Display Output</b>	1x HDMI 2.0
<b>Misc Interfaces</b>	<ul style="list-style-type: none"> <li>• 3x 3.3V TTL UARTs (1x CONSOLE)</li> <li>• 8 GPIOs 3.3V TTL (2x PWM Capable)</li> <li>• 2x I2C 3.3V</li> <li>• 1x CAN 2.0b</li> <li>• 2x SPI</li> <li>• 2x 3.3V</li> <li>• 2x 5V</li> <li>• 8x GND</li> </ul>	<b>Warranty and Support</b>	1 Year Warranty and Free Support