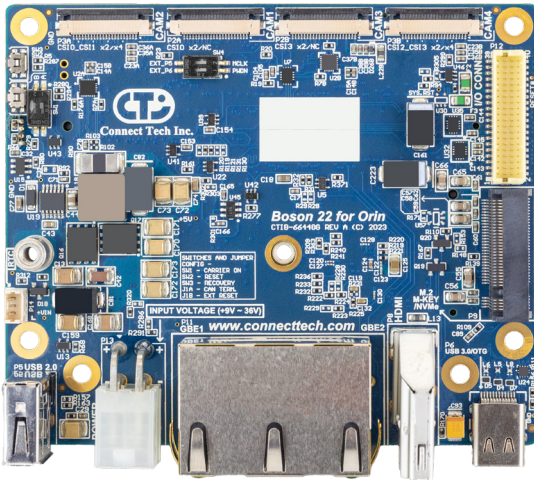


Boson-22 for Jetson Orin™ is an AI vision powerhouse, integrating up to four MIPI cameras within an extremely small footprint.



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 WHEN USED WITH JETSON ORIN NX & ORIN NANO MODULES

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