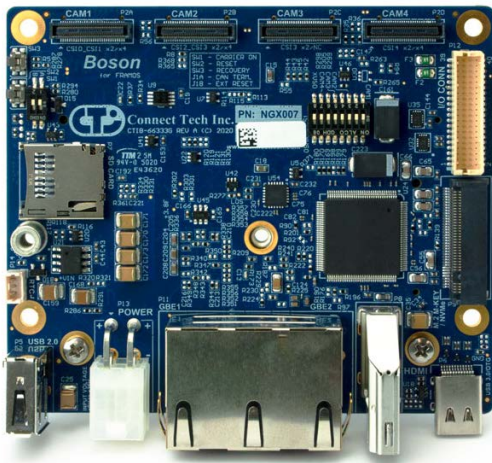


Boson for FRAMOS is an AI vision powerhouse, integrating up to four MIPI cameras within an extremely small footprint.

Specifically designed for use within the FRAMOS Sensor Ecosystem, Boson for FRAMOS maximizes sensor inputs and storage solutions for high-end vision applications. Compatible with multiple sensor modules and equipped with PC style connectors, Boson for FRAMOS will accelerate development of applications wishing to utilize multiple cameras on the Jetson platform.



Equipped with 4x FRAMOS PixelMate connectors for instant access to the entire FRAMOS Sensor Module Ecosystem. Boson for FRAMOS has 2x Gigabit Ethernet, 2x USB, and 4x MIPI connections, and is almost 30% smaller than the Xavier NX Developer Kit.

FEATURES

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

SPECIFICATIONS

| | | | |
|------------------------------|---|---|---|
| Ethernet | 2x 1000BASE-T Ethernet Port <ul style="list-style-type: none"> • 1x Port sourced directly from NX • 1x Port sourced from i210 | MIPI Camera Inputs | Up to: <ul style="list-style-type: none"> • 4x 2-lane MIPI FRAMOS Sensor Modules, or • 3x 4-lane FRAMOS Sensor Modules |
| Compatibility | NVIDIA Jetson Nano & Xavier NX | Display Output | 1x HDMI 2.0 |
| Storage | <ul style="list-style-type: none"> • 1x M.2 M-Key (2280) NVMe PCIe x4 • 1x Micro SD Card | M.2 E-Key | <ul style="list-style-type: none"> • 1x 2230 E-Key Expansion for WiFi and Bluetooth • 1x PCIe x1 + USB 2.0 |
| USB | 1x USB 3.x 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") | Warranty and Support | 1 Year Warranty and Free Support |
| 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 | Nano Compatibility | Difference in I/O: <ul style="list-style-type: none"> • Limited to 1x 1000 BASE-T Ethernet • No CAN • M.2 E-Key USB 2.0 only (No PCIe) |