



Boson Carrier for FRAMOS - Compatibility Specs

Module	NVIDIA® Jetson Xavier™ NX	NVIDIA® Jetson™ TX2 NX	NVIDIA® Jetson Nano™
Feature Differences			
Storage	1x M.2 M-Key (2280) NVMe PCIe x4 (Gen 3) 1x Micro SD Card	1x M.2 M-Key (2280) NVMe PCIe x2 (Gen 2) 1x Micro SD Card	1x M.2 M-Key (2280) NVMe PCIe x4 (Gen 2) 1x Micro SD Card
M.2 E-Key	1x PCIe x1 + USB 2.0 1x 2230 E-Key Expansion for WiFi/Bluetooth	1x PCIe x1 + USB 2.0 1x 2230 E-Key Expansion for WiFi/Bluetooth	Not Supported
Ethernet	2x 1000BASE-T Ethernet Port <ul style="list-style-type: none"> • 1x Port sourced directly from NX • 1x Port sourced from i210 	2x 1000BASE-T Ethernet Port <ul style="list-style-type: none"> • 1x Port sourced directly from TX2 NX • 1x Port sourced from i210 	1x 1000BASE-T Ethernet Port <ul style="list-style-type: none"> • 1x Port sourced directly from Nano
USB	1x USB 3.1 Gen 2 w/ OTG (Type C) 1x USB 2.0 (Type A)	1x USB 3.1 Gen 1 w/ OTG (Type C) 1x USB 2.0 (Type A)	1x USB 3.1 Gen 1 w/ OTG (Type C) 1x USB 2.0 (Type A)
CAN	1x CAN 2.0b	1x CAN 2.0b	CAN unavailable
Consistent Features			
MIPI Cameras Inputs	Up to: <ul style="list-style-type: none"> • 4x 2-lane MIPI FRAMOS Sensor Modules, or • 3x 4-lane FRAMOS Sensor Modules 	Up to: <ul style="list-style-type: none"> • 4x 2-lane MIPI FRAMOS Sensor Modules, or • 3x 4-lane FRAMOS Sensor Modules 	Up to: <ul style="list-style-type: none"> • 4x 2-lane MIPI FRAMOS Sensor Modules, or • 3x 4-lane FRAMOS Sensor Modules
Display Output	1x HDMI 2.0	1x HDMI 2.0	1x HDMI 2.0
Input Power / Misc Power Details	+9V to +36V Input Voltage Range <ul style="list-style-type: none"> • Auto-ON operation by default 	+9V to +36V Input Voltage Range <ul style="list-style-type: none"> • Auto-ON operation by default 	+9V to +36V Input Voltage Range <ul style="list-style-type: none"> • Auto-ON operation by default
RTC Battery	1x RTC Battery External Connector	1x RTC Battery External Connector	1x RTC Battery External Connector
FAN	1x FAN w/ PWM Control	1x FAN w/ PWM Control	1x FAN w/ PWM Control
Misc Interfaces	3x 3.3V TTL UARTs (1x CONSOLE) 8 GPIOs 3.3V TTL (2x PWM Capable) 2x I2C 3.3V 2x SPI 2x 3.3V 2x 5V 8x GND	3x 3.3V TTL UARTs (1x CONSOLE) 8 GPIOs 3.3V TTL (2x PWM Capable) 2x I2C 3.3V 2x SPI 2x 3.3V 2x 5V 8x GND	3x 3.3V TTL UARTs (1x CONSOLE) 8 GPIOs 3.3V TTL (2x PWM Capable) 2x I2C 3.3V 2x SPI 2x 3.3V 2x 5V 8x GND
Operating Temperature	-40°C to +85°C (-40°F to +185°F)	-40°C to +85°C (-40°F to +185°F)	-40°C to +85°C (-40°F to +185°F)
Dimensions	90mm x 75mm (3.54" x 2.95")	90mm x 75mm (3.54" x 2.95")	90mm x 75mm (3.54" x 2.95")
Warranty and Support	1 Year Warranty and Free Support	1 Year Warranty and Free Support	1 Year Warranty and Free Support

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