
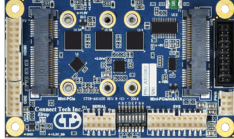


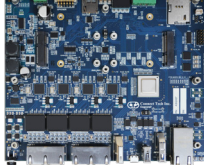
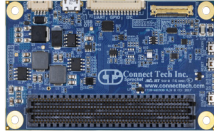
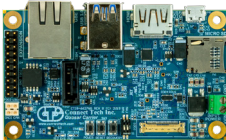




NVIDIA® Jetson™ TX2 Carrier Boards - Comparison Chart

| Name | Astro Carrier | Elroy Carrier | Orbitty Carrier | Spacely Carrier | Cogswell Carrier | Sprocket Carrier | Quasar Carrier |
|-----------------------|---|---|--|---|---|---|---|
| |  |  |  |  |  |  |  |
| Part Number | ASG001 w/ XBG201 | ASG002 | ASG003 | ASG006 | ASG007 | ASG008 | ASG016 |
| Dimensions | 87mm x 57mm (3.43" x 2.24") | 87mm x 50mm (3.425" x 1.968") | 87mm x 50mm (3.425" x 1.968") | 125mm x 95mm (4.92" x 3.74") | 178mm x 147.5mm (7.008" x 5.81") | 87mm x 50mm (3.425" x 1.968") | 87mm x 50mm (3.425" x 1.968") |
| Mini-PCIe | 1x Half Size Slot or 1x Full Size Slot | 2x Half Size Slot or 1x Full Size Slot | N/A | 1x Full Size Slot | 1x Full Size Slot | N/A | N/A |
| SATA | 1x SATA | N/A | N/A | N/A | N/A | N/A | 1x SATA |
| mSATA | 1x Half Size Slot | 1x Half Size Slot or 1x Full Size Slot | N/A | 1x Full Size Slot | 1x Full Size Slot | N/A | N/A |
| Video Outputs | 1x HDMI | 1x HDMI | 1x HDMI | 1x HDMI | 1x HDMI | N/A | 1x HDMI |
| Video Inputs | 1x MIPI CSI-2 (2-lane) | 2x MIPI CSI-2 (2-lane) | N/A (USB & GbE Cameras Only) | 6x MIPI CSI-2 (2-lane) OR 3x MIPI CSI-2 (4-lane) | N/A (USB & GbE Cameras Only) | 1x MIPI CSI-2 (2-lane) OR 1x MIPI CSI-2 (4-lane) | 1x MIPI CSI-2 (4-lane) |
| Serial | 2x RS-232/RS-485 | 2x RS-232/RS-485 | 2x 3.3V TTL | 2x 3.3V TTL | 2x RS-232/RS-485 | 2x 3.3V TTL | 2x 3.3V UART |
| CAN | N/A | N/A | N/A | 1 x CAN 2.0b Port | 1 x CAN 2.0b Port | N/A | 1x CAN 2.0b Port |
| USB | 1x USB 3.0 2x USB 2.0 | 1x USB 3.0 1x USB 2.0 | 1x USB 3.0 1x USB OTG | 2x USB 3.0 2x USB 2.0 1x USB CLIENT | 1x USB 3.0 1x USB 2.0 1x USB OTG | 1x USB OTG | 1x USB 2.0 (/w OTG functionality) 2x USB 3.0 |
| Ethernet | 2x GbE | 1x GbE | 1x GbE | 2x GbE | 5 x GbE (4x PoE, 2x PoE+) | N/A | 1x GbE |
| Audio | 1x Output via Codec 1x Output via HDMI | 1x Output via HDMI | 1x Output via HDMI | 1x Output via HDMI | 1x Output via HDMI | N/A | 1x Output via HDMI |
| SD Card | 1x microSD | 1x microSD | 1x microSD | 1x microSD | 1x microSD | N/A | 1x microSD |
| Misc | 1x Ext SATA 1x I2C 4x GPIO | 1x I2C 4x GPIO 1x SPI | 1x I2C 4x GPIO | 1x I2C 16x GPIO 1x SPI | 1x I2C 4x GPIO | 1x I2C 4x GPIO | 1x I2C 4x GPIO |
| Fan | PWM | PWM | PWM | PWM | N/A | N/A | PWM |
| Input Power | +9V to 36V DC | +9V to +14V DC | +9V to +14V DC | +12V to +22V DC | +12V DC | +12V to +16V DC | +9V to +14 DC |
| 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) | -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) | -40°C to +85°C (-40°F to +185°F) |