
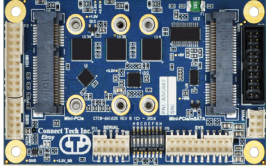


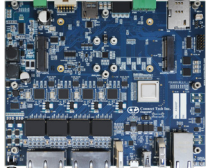





## NVIDIA® Jetson™ TX2 and TX1 Carrier Boards - Comparison Chart

Name	Astro Carrier	Elroy Carrier	Orbitty Carrier	Spacely Carrier	Cogswell Carrier	Sprocket Carrier
						
Part Number	ASG001 w/ XBG201	ASG002	ASG003	ASG006	ASG007	ASG008
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")
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
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
Video Outputs	1x HDMI	1x HDMI	1x HDMI	1x HDMI	1x HDMI	N/A
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)
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
CAN	N/A	N/A	N/A	1 x CAN 2.0b Port	1 x CAN 2.0b Port	N/A
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
Ethernet	2x GbE	1x GbE	1x GbE	2x GbE	5 x GbE (4x PoE, 2x PoE+)	N/A
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
SD Card	1x microSD Card Slot	1x microSD Card Slot	1x microSD Card Slot	1x microSD Card Slot	1x microSD Card Slot	N/A
Misc	1x Ext SATA 1x I2C 4x GPIO	1x I2C 4x GPIO	1x I2C 4x GPIO	1x I2C 16x GPIO 1x SPI	1x I2C 4x GPIO	1x I2C 4x GPIO
Fan	PWM	PWM	PWM	PWM	N/A	N/A
Input Power	+9V to 36V DC	+9V to +14V DC	+9V to +14V DC	+12V to +22V DC	+12V DC	+12V to +16V 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)