Connect Tech

ORBITTY CARRIER BOARD

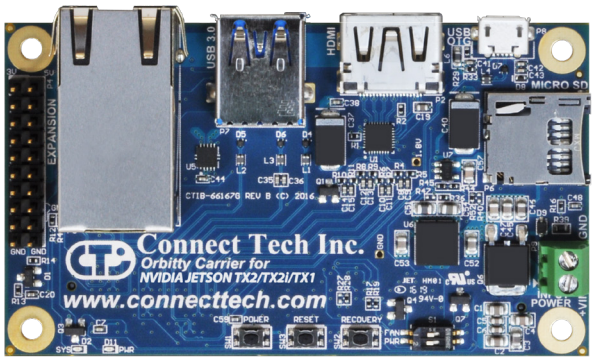
FOR NVIDIA® JETSON™ TX2/TX2i

PART NUMBER: ASG003, ASG023

Orbitty Carrier is designed to match the NVIDIA Jetson TX2/TX2i module form factor.

Orbitty's design includes 1x USB 3.0, 1x USB 2.0 OTG, 1x HDMI, 1x GbE, 1x microSD, 2x 3.3V UART, I2C, and 4x GPIO. Get up and running quick with your Jetson module and Orbitty.

NVIDIA Elite Partner



Ideal for robotics and unmanned applications or any small form factor rugged environment.

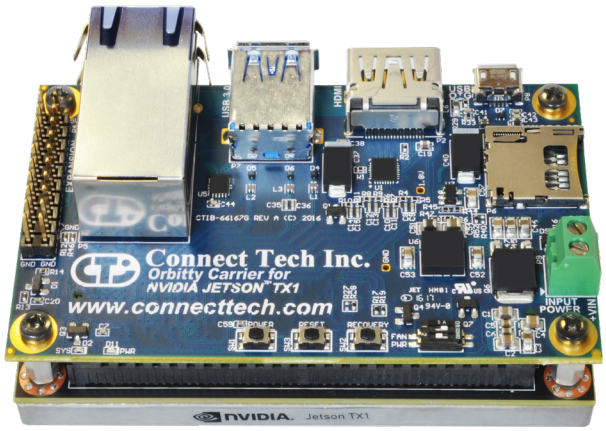
FEATURES

- ✓ Extremely Small Size: 87mm x 50mm (3.425" x 1.968")
- ✓ Extended Temperature Range: -40°C to +85°C (Orbitty Carrier)
- ✓ 1x GbE, USB 3.0, USB 2.0, 1x HDMI, 1x MicroSD, 2x 3.3V UART, I2C, 4x GPIO
- ✓ +9V - +14V DC Nominal (+19V Peak)

SPECIFICATIONS

Compatibility	NVIDIA Jetson TX2, NVIDIA Jetson TX2i
Display	1x HDMI (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz)
Ethernet	1x Gigabit Ethernet (10/100/1000)
SD Card	1x microSD
Power Requirements	+9V - +14V DC Nominal (+19V Peak)
Operating Temperature[1]	-40°C to +85°C (-40°F to +185°F)
Dimensions	87mm x 50mm (3.425" x 1.968")
USB	• 1x USB 3.0 • 1x USB 2.0 OTG
Audio	1x HDMI Integrated Audio
Misc	2x 3.3V UART, I2C, 4x GPIO
Weight	• ASG003 (Orbitty Carrier): 41 grams • Jetson TX2/TX2i: 144 grams (with heatsink); 75 grams (without heatsink)

[1] The Jetson TX2 Module is rated for -25°C to +80°C (measured at thermal heat plate)



Shown with Jetson TX1 module

RoHS

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Connect Tech Inc. | 489 Clair Rd. W., Guelph ON Canada | **Tel:** 519.836.1291 **Toll:** 800.426.8979 (North America) | **Email:** sales@connecttech.com | **www.connecttech.com**