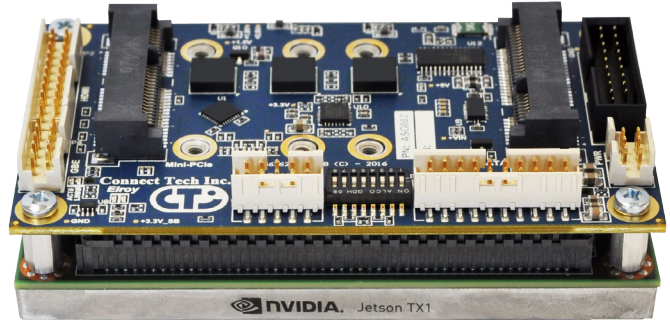**Connect Tech Inc.**
Embedded Computing Experts

Elroy Carrier for NVIDIA® Jetson™ TX2 and Jetson™ TX1

Connect Tech's Elroy Carrier for NVIDIA® Jetson™ TX2 and Jetson™ TX1 brings a low cost deployable Jetson™ TX2/TX1 solution to the market. Designed to match the NVIDIA® Jetson™ TX2 or TX1 module form factor, the Elroy's design includes Dual x2 MIPI CSI-2 Video Inputs, Mini-PCIe/mSATA expansion, HDMI Video, USB 3.0 and 2.0, and two Serial Ports for RS-232/485.

All of this is designed for use in a small form factor rugged environment. With locking pin-header connectors, solder in standoffs, and industrial temperature range components, the Elroy is going places.

Product Name: Elroy Carrier for NVIDIA® Jetson™ TX2/TX1
Part Number: ASG002

Shown with Jetson TX1 module

Specifications

Compatibility	NVIDIA Jetson TX2 and Jetson TX1
Dimensions	87mm x 50mm (3.425" x 1.968")
Mini-PCIe	1x Full Size or 2x Half Size Mini PCIe
mSATA	1x mSATA Half or Full Size (Use of Full Size Removes Secondary Mini-PCIe Slot)
Display	1x HDMI
Serial	2x RS-232/RS-485
USB	1x USB 3.0 (Integrated USB 2.0) 1x USB 2.0
Ethernet	1x Gigabit Ethernet (10/100/1000)
Audio	1x HDMI Integrated Audio
SD Card	1x microSD
Video Inputs	2x 2-Lane (x2) MIPI CSI 2.0
Misc	SPI, I2C, GPIO
Power Requirements	+9V to +14V DC
Operating Temperature[1]	-40℃ to +85℃ (-40°F to +185°F)

[1] The Jetson TX2/TX1 Module is rated for -25℃ to +80℃ (measured at thermal heat plate)

FEATURES

✓ *Extremely Small Size: 87mm x 50mm (3.425" x 1.968")*

✓ *Head-to-Head Dual Mini-PCIe*

✓ *Dual x2 MIPI CSI-2 Video Inputs*

✓ *Extended Temperature Range -40℃ to +85℃ (Elroy Carrier)*

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