



**Connect Tech Inc.**  
Embedded Computing Experts

# Jetson AGX Xavier SMALL FORM FACTOR CARRIER

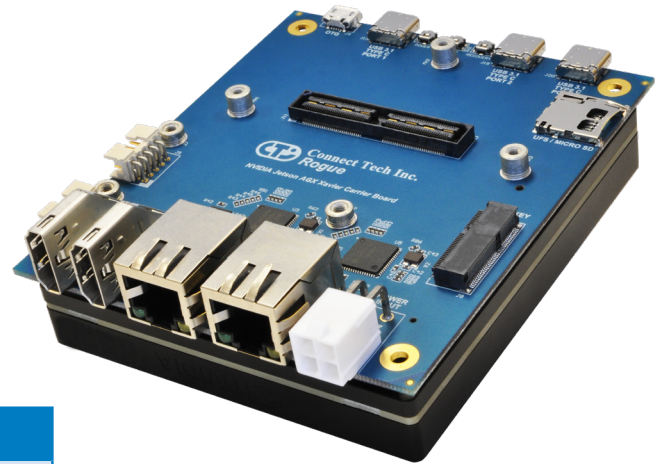
## Rogue Carrier for NVIDIA® Jetson™ AGX Xavier™

Connect Tech's Rogue is a full featured Carrier Board for the NVIDIA® Jetson™ AGX Xavier™ module. This carrier board for Xavier is specifically designed for commercially deployable platforms, and has an extremely small footprint of 92mm x 105mm.

The Rogue provides access to an impressive list of latest generation interfaces on the Xavier while adding additional interfaces of 3x USB 3.1, 2x GbE, 2x HDMI and a locking Mini-Fit Jr. power input connector.

Rugged camera add-on expansion boards will also be available for use with the Rogue to interface directly with the Xavier high density MIPI CSI interfaces.

**Product Name:** Rogue Carrier for NVIDIA®  
Jetson™ AGX Xavier™  
**Part Number:** AGX101



### Specifications

<b>NVIDIA GPU SoC Module Compatibility</b>	NVIDIA® Jetson™ AGX Xavier™
<b>Networking</b>	2x Gigabit Ethernet (8p8c RJ-45) 1 Port from RGMII PHY Controller 1 Port from PCIe PHY Controller
<b>Display Output</b>	2x HDMI 1.4a (Type-A vert RA)
<b>Camera Inputs</b>	• 6 x2 Lane MIPI CSI-2 OR • 4 x4 Lane MIPI CSI-2  All connected via high-density camera connector breakout. Same pinout as development kit. Application specific camera add-on boards can be used in conjunction with this interface (Up to 6x MIPI I-PEX, SerDes Inputs: GMSL or FPD-Link III, HDMI Inputs)
<b>USB</b>	3x USB 3.1 Ports (Type-C) 1x USB OTG (Micro-AB)
<b>Storage</b>	2x NVMe M.2 Key M Slots 1 x Micro SD/UFS Card Slot
<b>UART</b>	2x @ 3.3V levels UART0 and UART1
<b>I2C/SPI</b>	1x I2C Channel @ 3.3V IO 1x SPI Channel @ 3.3V IO
<b>CAN</b>	2 x CAN 2.0b Port
<b>GPIO</b>	4 bits of 3.3V (level shifted GPIO)
<b>User Expansion</b>	1 x M.2 Key E Slot with PCIe & USB (WiFi + BT modules)
<b>Input Power</b>	Wide Input 9-19V DC (Positive Locking Molex Mini-Fit Jr Header)
<b>Buttons</b>	Power, Reset, Recovery (Tactile Buttons as well as fine pitch pin header connector)
<b>RTC Battery</b>	3-pin Picoblade connector to accept CTI battery cable assembly
<b>PCB/Electronics Mechanical Information</b>	92mm x 105mm Compatibility with both Development and Production modules.

### FEATURES

- ✓ *Commercially deployable NVIDIA® Jetson™ AGX Xavier™ platform*
- ✓ *6x 2-lane or 4x 4-lane MIPI CSI Camera Inputs*
- ✓ *2x NVMe M.2 Key M Slots, 3x USB 3.1, 2x GbE*
- ✓ *Wide input power range 9-19V DC*
- ✓ *Dimensions: 92mm x 105mm (3.62" x 4.13")*



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**RoHS**

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