



**Connect Tech Inc.**  
Embedded Computing Experts

## Jetson AGX Xavier SMALL FORM FACTOR ADAPTER

**Product Name:** Mimic - NVIDIA®  
Jetson™ AGX Xavier™ Adapter  
**Part Number:** AGX001

# Mimic - NVIDIA® Jetson™ AGX Xavier™ to TX2/TX2i/TX1 Adapter

The Mimic Adapter from Connect Tech allows the NVIDIA® Jetson™ AGX Xavier™ module to be installed onto an NVIDIA Jetson TX2/TX2i/TX1 carrier. The Mimic Adapter is ideal for NVIDIA Jetson users who want to easily compare performance or upgrade their existing TX2/TX2i/TX1 designs to the new Jetson Xavier.

This small form factor adapter solution integrates easily onto any existing carrier board in Connect Tech's Jetson TX2/TX2i/TX1 product line, as well as any custom platform. Mimic Adapter allows users to immediately gain access to Jetson AGX Xavier's impressive 20x compute performance increase and 10x energy efficiency improvement from the Jetson TX2. Enables a giant leap forward in capabilities for autonomous machines and edge devices.



**Mimic -**  
Shown integrated with  
Connect Tech's **Astro**  
TX2/TX2i/TX1 Carrier Board (top)  
and **XAVIER** module (bottom).



**Mimic - AGX001**

## Specifications

<b>Adapter Function</b>	Allows the NVIDIA® Jetson™ AGX Xavier™ module to be installed on to any NVIDIA® Jetson™ TX2/TX2i/TX1 Carrier Board
<b>NVIDIA GPU SoC Module Compatibility</b>	NVIDIA® Jetson™ AGX Xavier™
<b>Carrier Board Compatibility</b>	Any Carrier Board designed for NVIDIA® Jetson™ TX2/TX2i/TX1
<b>Jetson Xavier Interfaces Passed to TX2/TX2i/TX1 Carrier</b>	<ul style="list-style-type: none"> <li>• 3x USB 2.0</li> <li>• 3x USB 3.0*</li> <li>• 3x PCIe x1*</li> <li>• 1x SATA*</li> <li>• 6x 2-lane CSI / 3x 4-lane CSI</li> <li>• 2x eDP/DP/HDMI</li> <li>• 1x Gigabit Ethernet**</li> <li>• 1x SD Card</li> <li>• 2x CAN</li> <li>• 4x I2C</li> <li>• 4x UART</li> <li>• 3x SPI</li> <li>• GPIO and Misc system control available on TX2/TX2i/TX1</li> </ul>
<b>Ethernet</b>	RGMII 1GBE PHY contained on Adapter
<b>Input Power</b>	Adapter automatically regulates and distributes the TX2/TX2i/TX1 Carrier Board VDD_IN to the Xavier SYS_VIN_HV/MV
<b>PCB / Electronics Mechanical Information</b>	92mm x 105mm Weight: 68 grams Compatibility with both Development and Production modules.
<b>Operating Temperature</b>	-40°C to +85°C (-40°F to +185°F)

\* Based on TX2/TX1 Lane Mapping Configuration  
\*\* Passed to on-adapter RGMII PHY

## FEATURES

- ✓ Install NVIDIA® Jetson™ AGX Xavier™ on any NVIDIA® Jetson™ TX2/TX2i/TX1 Carrier Board
- ✓ Easily compare performance between TX2 and AGX Xavier on your current hardware platform
- ✓ Wide range of Xavier interfaces passed to TX2/TX2i/TX1 carrier
- ✓ Dimensions: 92mm x 105mm (3.62" x 4.13")



**INTEGRYS**  
Connecting Technology & Innovation

Toll Free: 888-509-8455, Email: [clientservice@integrYS.com](mailto:clientservice@integrYS.com)  
[www.integrYS.com](http://www.integrYS.com)

**RoHS**

Specifications subject to change without notice.  
©2018, Connect Tech Inc. All trademarks are property of their respective holder.

CTIX-00486.0.02 - 2019-02-26