



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 Jetson™ 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 Jetson TX2/TX2i/TX1 designs to the new Jetson AGX 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** Jetson TX2/TX2i/
TX1 Carrier Board (top) and **Jetson**
AGX Xavier module (bottom).



Mimic - AGX001

Specifications

Adapter Function	Allows the NVIDIA® Jetson AGX Xavier™ module to be installed on to any NVIDIA® Jetson™ TX2/TX2i/TX1 Carrier Board
NVIDIA GPU SoC Module Compatibility	NVIDIA® Jetson AGX Xavier™
Carrier Board Compatibility	Any Carrier Board designed for NVIDIA® Jetson™ TX2/TX2i/TX1
Jetson Xavier Interfaces Passed to TX2/TX2i/TX1 Carrier	<ul style="list-style-type: none"> • 3x USB 2.0 • 3x USB 3.0* • 3x PCIe x1* • 1x SATA* • 6x 2-lane CSI / 3x 4-lane CSI • 2x eDP/DP/HDMI (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz) • 1x Gigabit Ethernet** • 1x SD Card • 2x CAN • 4x I2C • 4x UART • 3x SPI • GPIO and Misc system control available on Jetson TX2/TX2i/TX1
Ethernet	RGMII 1GBE PHY contained on Adapter
Input Power	Adapter automatically regulates and distributes the Jetson TX2/TX2i/TX1 Carrier Board VDD_IN to the Jetson AGX Xavier SYS_VIN_HV/MV
PCB / Electronics Mechanical Information	92mm x 105mm Weight: 68 grams Compatibility with both Development and Production modules.
Operating Temperature	-40°C to +85°C (-40°F to +185°F)

FEATURES

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

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* Based on Jetson™ TX2/TX2i/TX1 Lane Mapping Configuration
** Passed to on-adapter RGMII PHY



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