Connect Tech

ROGUE CARRIER BOARD

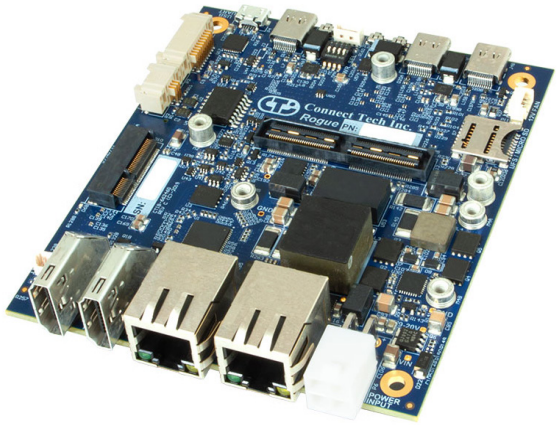
FOR NVIDIA® JETSON AGX XAVIER™

PART NUMBER: AGX101, AGX111

Rogue is a full featured carrier board specifically designed for commercially deployable platforms.

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

NVIDIA Elite Partner



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

FEATURES

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

SPECIFICATIONS

Compatibility	NVIDIA Jetson AGX Xavier	**Dimensions**	92mm x 105mm (3.62" x 4.13")
Networking	2x Gigabit Ethernet (8p8c RJ-45) 1 Port from RGMII PHY Controller 1 Port from PCIe PHY Controller	**Display Output**	2x HDMI (Type-A vert RA) (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz)
USB	3x USB 3.1 Ports (Type-C)	**Storage**	2x NVMe M.2 Key M Slots 1x Micro SD/UFS Card Slot
UART	2x @ 3.3V levels UART0 and UART1 Micro USB Debug UART	**I2C/SPI**	1x I2C Channel @ 3.3V IO 1x SPI Channel @ 3.3V IO
CAN	2x CAN 2.0b Port	**GPIO**	4 bits of 3.3V (level shifted GPIO)
User Expansion	1x M.2 Key E Slot with PCIe & USB (WiFi + BT modules)	**Input Power**	Wide Input 9-19V DC (Positive Locking Molex Mini-Fit Jr Header)
Buttons	Power, Reset, Recovery (Tactile Buttons as well as fine pitch pin header connector)	**RTC Battery**	3-pin Picoblade connector to accept CTI battery cable assembly
PCB/Electronics Mechanical Info	92mm x 105mm (3.62" x 4.13") Weight: 103g Compatibility with both Development and Production modules.	**Camera Inputs**	• 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)
Operating Temperature	-40°C to +85°C (-40°F to +185°F)		

RoHS

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