

ROGUE CARRIER BOARD

FOR NVIDIA® JETSON AGX ORIN™

PART NUMBER: AGX202

Rogue Carrier for Jetson AGX Orin™ is a full featured carrier board specifically designed for commercially deployable platforms.



Rogue for Jetson AGX Orin™ provides access to an impressive list of latest generation interfaces on the Jetson AGX Orin while adding additional interfaces of 2x 10GbE, 3x USB 3.1, 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 Jetson AGX Orin™ high density MIPI CSI interfaces.

FEATURES

- ✓ Dual 10GBASE-T (10G Ethernet)
- ✓ Dimensions: 92mm x 107mm
- ✓ MIPI CSI-2, GMSL or FPD-Link III with camera breakout board
- ✓ 2x NVMe M.2 Key M Slots

SPECIFICATIONS

Compatibility	NVIDIA Jetson AGX Orin	Dimensions	92mm x 107mm
Networking	2X 10GBASE-T (10G Ethernet)	Display Output	1x HDMI (Type-A vert RA) (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz)
USB	2x USB 3.2 Ports (Type-C) 1x USB 3.2 Ports (Type-C - OTG Capable)	Storage	2x NVMe M.2 Key M Slots 1x Micro SD 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 (Non-Isolated)	GPIO	4 bits of 3.3V (level shifted GPIO)(1PWM)
User Expansion	1x M.2 Key E Slot with PCIe & USB (Wifi + BT Modules)	Input Power	+12VDC Input Only (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 107mm	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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