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)
- ✓ MIPI CSI-2, GMSL or FPD-Link III with camera breakout board
- ✓ Dimensions: 92mm x 107mm
- ✓ 2x NVMe M.2 Key M Slots

SPECIFICATIONS

Compatibility	NVIDIA Jetson AGX Orin & AGX Orin Industrial*	**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 FD 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**	16-lanes MIPI CSI-2 via high-density camera connector breakout. Add-on expansion boards are available for: 3G-SDI/HD-SDI, GMSL, FPD-Link III, HDMI Input and direct MIPI Input
Operating Temperature	-40°C to +85°C (-40°F to +185°F)		

*Jetson AGX Orin™ Industrial module is supported on Rev D or later on the AGX202

RoHS

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