Connect Tech

ROGUE-RX CARRIER BOARD
FOR NVIDIA® JETSON AGX ORIN™
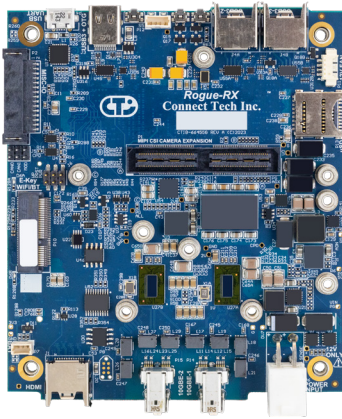
PART NUMBER: AGX203

Rogue-RX Carrier for Jetson AGX Orin™ is a full featured carrier board specifically designed for rugged and harsh environments

Rogue-RX Carrier for Jetson AGX Orin™ provides rugged positive locking high-speed connectors for 10GBASE-T, USB 3.2 Gen2 and HDMI. As well as a positive locking discrete wire/pin header for UART, I2C, SPI, CAN and GPIO

Rugged camera add-on expansion boards are available for various camera inputs for: 3G-SDI/HD-SDI, GMSL, FPD-Link III, HDMI Input and direct MIPI Input

FEATURES

✓ 10GBASE-T w/ Rugged Positive Locking Connectors

✓ USB 3.2 Gen 2 w/ Rugged Positive Locking Connectors

✓ Industrial Operating Temperature: -40°C to +85°C

✓ 2x NVMe PCIe Gen4 M.2 Key-M 2280 Slots

SPECIFICATIONS

Compatibility	NVIDIA Jetson AGX Orin & AGX Orin Industrial*	**Dimensions**	92mm x 108.2mm
Networking	2X 10GBASE-T (10G Ethernet) with ix Industrial™ Rugged Postive Latching connectors	**Display Output**	1x HDMI 2.1 8K60 Capable with Samtec AcceleRate® Rugged Positive Locking Connector
USB	2x USB 3.2 Gen2 10Gbps with Samtec AcceleRate® Rugged Positive Locking Connectors 1x USB 3.2 Gen2 10Gbps (OTG Capable) Type-C	**Storage**	2x NVMe PCIe Gen4 M.2 Key-M 2280 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 Ports (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.
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 108.2mm	**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)		