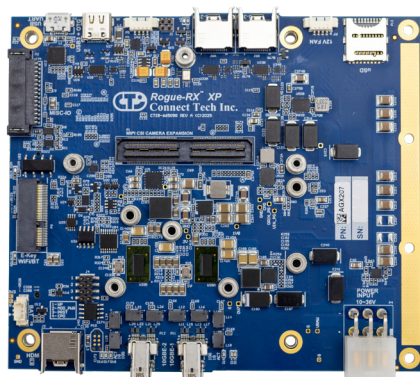




Rogue-RX XP Carrier for Jetson AGX Orin™ is a full featured carrier board specifically designed for rugged and harsh environments



Rogue-RX XP 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, RS-232, I2C, CAN & GPIO



Rugged camera add-on expansion boards are available to connect directly with high-density MIPI CSI interfaces.

FEATURES

- ✓ 10GBASE-T w/ Rugged Positive Locking Connectors
- ✓ USB 3.2 Gen 2 w/ Rugged Positive Locking Connectors
- ✓ Wide Range +10V to +36V DC Power Input
- ✓ Industrial Operating Temperature: -40°C to +85°C
- ✓ 2x NVMe PCIe Gen4 M.2 Key-M 2280 Slots

SPECIFICATIONS

Compatibility	NVIDIA® Jetson AGX Orin™ & Jetson AGX Orin™ Industrial	Display Output	1x HDMI 2.0 Capable with ARF6 High-speed Rugged Latching connector
Networking	2X 10GBASE-T (10G Ethernet) with ix Industrial Rugged Postive Latching connectors	Storage	2x NVMe PCIe Gen4 M.2 Key-M 2280 Slots 1x Micro SD Slot
USB	2x USB 3.2 Gen2 10Gbps with Samtec AcceleRate® Rugged Positive Latching Connectors 1x USB 3.2 Gen2 10Gbps (OTG Capable) Type-C	I2C/RS232	1x 3.3V I2C on GPIO Connector 2x RS-232 on GPIO Connector
UART	2x 3.3V Level UARTs on GPIO Connector 1x Micro USB Debug UART	GPIO	6 bits of 3.3V (level shifted GPIO)(1PWM)
CAN	2x CAN FD Port (Non-Isolated) on GPIO connector	Input Power	+10 to +36V DC Wide Input (6 pin Mini-fit Jr Connector)
User Expansion	1x M.2 Key E Slot with PCIe & USB2 (Wi-Fi + BT Modules)	RTC Battery	3-pin Picoblade connector to accept CTI Battery cable assembly
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	PCB/Electronics Mechanical Info	125mm x 108.7mm
Weight	147g (includes PHY heatsink)	Operating Temperature	-40°C to +85°C (-40°F to +185°F)